A Second Checklist and Bibliography of the Lichens and Allied Fungi of British Columbia

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A SECOND CHECKLIST AND BIBLIOGRAPHY OF THE LICHENS AND ALLIED FUNGI OF BRITISH COLUMBIA

by

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ABSTRACT

A total of 1013 species in 205 genera, 18 subspecies, 33 varieties, and 2 forms are reported for British Columbia. Synonyms and unreliable records are also recorded. The 40 taxa originally described from the province are listed. The checklist is based upon reports in approximately 300 papers as well as herbarium specimens at CANL, H, and UBC. These papers are listed in the bibliography given at the conclusion of the list.

RESUME

Cette ouvrage traite de 1013 espèces reparties en 205 genres, 18 sous-espèces, 33 varietés et 2 formes, homologués en Colombie britannique. Les synonymes et les mentions douteuses y sont aussi traités, de meme que les 40 taxons décrits à partir de spécimens provenant de cette province. La liste de référence est fondé sur des données provenant d'environ 300 articles ainsi que des spécimens des herbiers CANL, H, et UBC. Ces articles sont regroupés dans une liste de référence à la fin de l'ouvrage.

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INTRODUCTION

Knowledge of the lichen flora of British Columbia began accumulating almost 200 years ago with the collections of Archibald Menzies, a physician-botanist accompanying Captain George Vancouver in 1792 (Newcombe and Forsyth 1923). However, the first major contribution came in the late 1800's and early 1900s from the work of John Macoun, explorer-naturalist and later botanist to the Geological and Natural History Survey of Canada.

Even after retiring to Sidney on Vancouver Island, Macoun continued his study of cryptogams, especially lichens (Macoun 1922). Results of these later collections are reported in Merrill (1912, 1913); the specimens can be found at CANL, FH, and UBC. (Herbarium abbreviations follow Holmgren and Keuken [1974].) Macoun's collections, published in his Catalogue of Canadian Plants (Macoun 1902), long served as the basis for the knowledge of the lichens in British Columbia. He was responsible for the distributing the exsiccata, Canadian Lichens, containing some numbers from this province. Unfortunately, the series is not of uniform material and the numbers are sometimes from numerous localities (Brodo and Hawksworth, 1978). Because of errors on the labels of some of his collections, many of his reports must be regarded skeptically. The problems pointed out with his hepatic collections from southwestern British Columbia (Godfrey 1977) also exist among his lichen collections.

The next major addition to our knowledge of the lichens of the province occurred some 50 years later as adjuncts to ecological-vegetational investigations, many of them doctoral theses done at the University of British Columbia (Annas 1977; Archer 1963; Brayshaw 1955; Brooke et al. 1970; Bell 1964; Buttrick 1978; Cordes 1972; Fraser 1970; Klinka 1976; Krajina 1959, 1964, 1965; Krajina and Orloci 1963; McMinn 1960; Mueller-Dombois 1959; Orloci 1961, 1964; Peterson 1964; Revel 1973; Stanek and Krajina 1963; Szczawinski, 1953; Wali and Krajina 1973). Except for the reports of Krajina (op. cit.) most are unpublished. During this time, the first provincial lichen checklist was published (Otto and Ahti 1967), reporting 569 species in 99 genera.

Since the appearance of the first checklist, there has been a rapid,

worldwide increase in lichenological monographs, studies, and reports. Some of this work has been done in the province or has mentioned collections from the province. T. Ahti has collected extensively in the interior in 1958 and 1961 (Ahti, 1962), in the north (with John W. Thomson) in 1967, and in coastal areas (specimens mostly at H and UBC, with many at CANL and WIS). The Queen Charlotte Islands were intensively collected in the late 1960s and early 1970s by I.M. Brodo (specimens at CANL and UBC). Many of the numbers for Lichenes Canadenses Exsiccati Fascicles I, II, and III, are drawn from these islands (Brodo 1971, 1976, 1984a). A major collection from north-central British Columbia was studied by Stephen Clayden. His list of species has not been published, but many of these lichens were distributed in Fascicle III of the Exsiccata (Brodo, 1983).

Ohlsson (1973) made a major contribution to the coastal macrolichen flora(specimens at CANL, MSC and, to a lesser extent, UBC and H). George Otto has collected throughout the province for the last two decades with important collections being made in the north of the province, from the U.B.C. Research Forest near Vancouver, and from Mt. Revelstoke National Park (specimens at UBC and CANL). Willa Noble's (1982) study of the lichens of the Gulf Islands area, although still unpublished, is perhaps the most comprehensive treatment of the lichens of British Columbia, with keys and descriptions of 448 species. In recent years, Trevor Goward has made many collections in the province (specimens at UBC). Charles Bird collected extensively in the Rocky Mountains during the 1970s (specimens at UAC, CANL and H; see also Bird and Bird 1973) as did George Scotter (specimens in H, UAC, CANL, and WIS). Many lichenologists have also made collections as they briefly passed through British Columbia.

Studies are still progressing in the Gulf Islands (Noble 1978, 1980), Wells Gray Provincial Park (Goward and Ahti 1983, 1986), the Queen Charlotte Islands, and the northern Rocky Mountains (Brodo, unpublished). These investigations have resulted in many additions and changes to the known flora, so it is an appropriate time for a second summary of the taxa reported from the province. As it stands, then, the list has added approximately 50 species to the North American lichen flora (Brodo et al. 1987).

British Columbia is the most westerly province in Canada (Figure 1), comprising about 948,000 square kilometers. Among the major physiographic subdivisions of Canada, two are found in the province: the Interior Plains Region and the Canadian Cordilleran Region. The northeastern corner of the province, comprising about 10% of the total, is part of the vast Plains Region that extends across much of central Canada. It is an area of low relief made up of lowlands, plateaus, plains, and prairies. The remaining 90% of the province is mainly mountainous, falling within the Cordilleran Region. It may be subdivided into three major systems that all run in a northwesterly-southeasterly direction: a western mountain system, and an eastern mountain system which are separated by a large interior area of plateau and mountain country. The Western System, which includes the St. Elias and Insular Mountains and the Coast Range, contains the tallest mountain in the province, Mount Fairweather (4,663 m) as well as islands, island groups, and many fjords indenting the mainland and larger islands. The Interior System is a series of plateaus averaging 600 to 1200 m in elevation and interrupted by mountainous areas especially in the north. It is rolling upland, dotted with lakes, and deeply entrenched streams and rivers. The Eastern System consists of several mountain groups including the Mackenzie and Rocky Mountains and their intervening valleys. Elevations are highest in the south, reaching 3,300 m. (After Holland 1964.)

The climate of British Columbia varies from "marine west-coast" along the north and central coasts to "Mediterranean" in the most southern coastal areas, to "continental highland" in the southern interior and southern Rockies and Cassiar-Columbia Mountains, and to "continental subarctic" in the north interior and northeast. The Mediterranean climate is restricted to a small area in the southwest bordering the Strait of Georgia. It has warm, dry summers and mild, wet winters. Victoria records 75 cm of precipitation per year. The marine west coast climate is a temperate rainy climate with warm summers and moderate winters. Precipitation is ample all year round, but is especially high in the winters; mean annual precipitation at Pachina Point on the west coast of Vancouver Island is 299 cm. The continental highland climate shows a wide annual temperature variation with hot summers and cold winters.

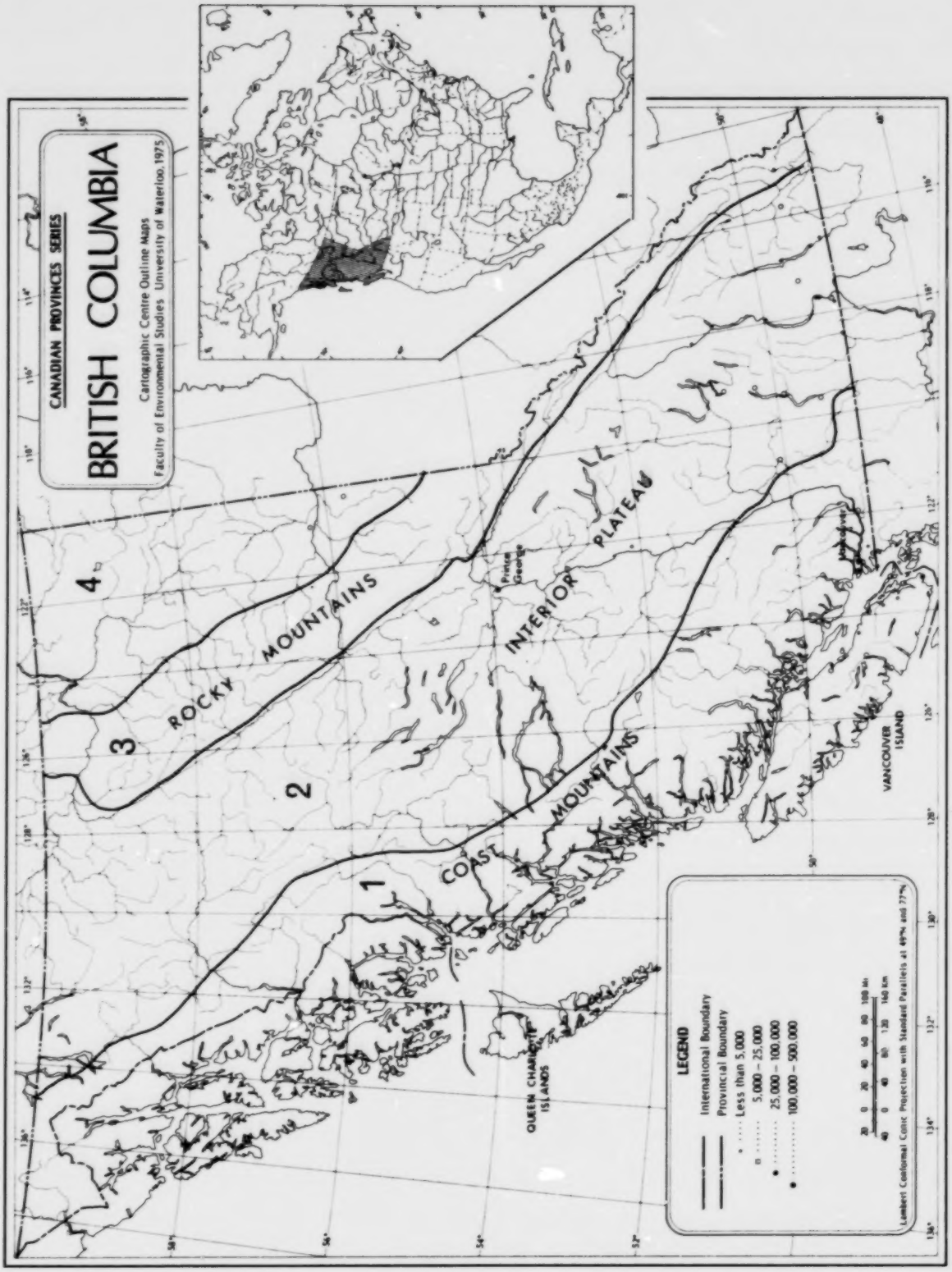

Figure 1. Physiographic regions of British Columbia (after Holland 1964). 1. Western System, 2. Interior System, 3. Eastern System, 4. Interior Plains (of Canada). Inset: British Columbia in North American context.

Precipitation is low in the southern interior being in the rain-shadow of the western mountain system. It averages from 50 to less than 30 cm per year. Precipitation in the southern Rockies is moderate and falls mainly in the winter. The continental subarctic climate of the northern interior and northeast is marked by cold, severe winters and cool, short summers with low to moderate precipitation that falls mainly in the summer. (After Farley 1979.)

The great physiographic and climatic diversity produces a great complexity of vegetation types throughout the province from rain-forest on the west coast to semi-desert in the southern interior. Krajina (1973) has divided the province into seven biotic regions and 12 biogeoclimatic zones, which are characterized by climax plant associations. In a more universally applicable system, Hämet-Ahti (1965) has classified the vegetation into six zones that may be subdivided into sections according to humidity, with corresponding altitudinal and latitudinal units sharing the same name (further developed by Tuhkanen 1984).

This checklist is based on the "Preliminary Checklist" of Otto and Ahti (1967), which was based, in turn, on 110 literature reports and specimens found at UBC. Many specimens upon which literature records were based, were checked by one or more of the present authors. Where misidentifications were noted, the records were deleted from the checklist. In several cases, the specimens cited in Otto and Ahti (op. cit.) based on collections at UBC were missing and were presumed to have been reidentified by others. Many of Macoun's specimens at CANL, however, were found and annotated, and the checklist was modified as necessary. Vouchers held at other herbaria were, for the most part, not checked, and are cited as per the published report. Reports published since the first checklist have been added primarily from the National Museum of Natural Sciences' computerized Catalogue of Lichens (Brodo 1981). Approximately 190 new or previously overlooked literature reports have been added to the bibliography giving a total of close to 300 papers consulted. In addition, many new records have come from herbarium specimens not cited in publications, contained primarily at CANL, H, and UBC. Many collections at V were also checked.

The resulting compilation yields a list of 1013 species in 205 genera, 18 subspecies, 33 varieties, and 2 forms. This checklist is by no means exhaustive as many areas of the province remain uncollected or poorly collected. Large gaps still occur in the crustose genera with many collections still unidentified. The authors are aware of many unreported, problematic species, in some cases probably undescribed. Where possible, these have been incorporated into the checklist as "cf" taxa.

In an attempt to retain some of the distributional information contained in Otto and Ahti (1967), a simplified ecological-geographic subdivision of the province has been utilized. This distributional information is not complete nor exclusive and, indeed, many species have no notation of distribution at all. The categories are outlined in Table 1.

TABLE 1: DISTRIBUTIONAL SUBDIVISIONS USED IN THE CHECKLIST

Abbreviation	Subdivision	Region
C	Coastal Area	Queen Charlotte Islands, Vancouver Island, Cascade Mountains strip on the adjacent mainland.
I(d)	Interior (dry)	semi-desert, dry grasslands in central and southern interior, including the most arid, open woodlands.
I(w)	Interior (wet)	forested areas in central interior and southern Rocky and Columbia Mountains
B	Boreal	spruce region in northeast and north-central interior.
A	Alpine and Subalpine	high elevations throughout the province, but especially in north-central and northwest corner, primarily above timberline, but including some solitary stunted trees.
W	Widespread	present in many or most of the other subdivisions.

Taxa printed in bold face are presently recognized for the province of British Columbia; those underlined are synonyms, or are excluded names found in published reports either based on misidentifications or which are otherwise unreliable due to the lack of a voucher. Nomenclature generally follows Hawksworth et al. (1980), with changes from later publications such as

Hawksworth (1982), Santesson (1984), Hafellner (1984), and Cannon et al. (1985). We accept the segregate genera proposed by Hale (e.g., 1979) and Esslinger (1978). Authority abbreviations for the epithets mainly follow Hawksworth (1980). New taxa, new combinations, and discussions of some taxonomic problems are given in (Ahti et al. 1987), although a few unpublished names expected to appear within a year are listed as "ined." (e.g.,in the genus Botrydina). Taxa with a superscript [1] to the left are actually lichenicolous fungi; those with a superscript [2] are not lichenized or lichenicolous but have been traditionally treated with the lichens and are often close relatives of the lichenized taxa. Literature reports are not normally cited after each taxon since much of that information is available in Otto and Ahti (1967) and Brodo (1981). An essentially complete bibliography of the literature including records of lichens in British Columbia is included. The most important floristic and taxonomic papers are also listed in Douglas et al. (1983).

CHECKLIST

[1]**Abrothallus parmeliarum** (Sommerf.) Arn. - I(w).

Acarospora asahinae H. Magn. - C.

Acarospora cervina Massal. Hale and Culberson (1970) state North American records of this species are based on misidentifications. This report is based on a specimen, Brodo 8452 (CANL). - I(d)

Acarospora chlorophana (Wahlenb. ex Ach.) Massal. - A, I(d).

Acarospora fuscata (Nyl.) Arn. - W.

Acarospora glaucocarpa (Ach.) Körber

Acarospora macrospora (Hepp) Bagl. - I(d), C.

Acarospora schleicheri (Ach.) Massal. - I(d).

Acarospora veronensis Massal. Unreliable report. The report in Otto and Ahti (1967) is based on A. fuscata (Nyl.) Arn.

Acrocordia gemmata (Ach.) Massal. Synonym: Arthopyrenia gemmata (Ach.) Massal. - C.

Actinogyra polyrrhiza (L.) Schol. = Umbilicaria polyrrhiza (L.) Fr.

Agyrophora rigida (Du Rietz) Llano = Umbilicaria rigida (Du Rietz) Frey

Ahtiana sphaerosporella (Müll. Arg.) Goward Synonym: Parmelia sphaerosporella Müll. Arg. - I(w), A.

Alectoria abbreviata (Müll. Arg.) R.H. Howe = Bryoria abbreviata (Müll. Arg.) Brodo & D. Hawksw.

Alectoria altaica (Gyeln.) Räs. = Bryoria nadvornikiana (Gyeln.) Brodo & D. Hawksw.

Alectoria americana Mot. = Bryoria trichodes (Michx.) Brodo & D. Hawksw. subsp. americana (Mot.) Brodo & D. Hawksw.

Alectoria bicolor (Ehrh.) Nyl. = Bryoria bicolor (Ehrh.) Brodo & D. Hawksw.

Alectoria canadensis Mot. = Bryoria trichodes (Michx.) Brodo & D. Hawksw. subsp. trichodes

Alectoria cervinula Mot. = Bryoria cervinula Mot. ex Brodo & D. Hawksw.

Alectoria chalybeiformis (L.) S. Gray = Bryoria chalybeiformis (L.) Brodo & D. Hawksw.

Alectoria fremontii Tuck. = Bryoria fremontii (Tuck.) Brodo & D. Hawksw.

Alectoria fuscescens Gyeln. = Bryoria fuscescens (Gyeln.) Brodo & D. Hawksw.

Alectoria glabra Mot. = Bryoria glabra (Mot.) Brodo & D. Hawksw.

Alectoria implexa (Hoffm.) Nyl. = Bryoria implexa (Hoffm.) Brodo & D. Hawksw.

Alectoria implexa auct., non (Hoffm.) Nyl. = Bryoria capillaris (Ach.) Brodo & D. Hawksw.

Alectoria imshaugii Brodo & D. Hawksw. - I(d).

Alectoria jubata (L.) Ach. Based on Lichen jubatus L., nomen utique rejiciendum propositum.

Alectoria lanea auct., non (Ehrh. ex Hoffm.) Vain. = Bryoria nitidula (Th. Fr.) Brodo & D. Hawksw.

Alectoria lanestris (Ach.) Gyeln. = Bryoria lanestris (Ach.) Brodo & D. Hawksw.

Alectoria minuscula (Nyl. ex Arn.) Degel. = Pseudephebe minuscula (Nyl. ex Arn.) Brodo & D. Hawksw.

Alectoria nadvornikiana Gyeln. = Bryoria nadvornikiana (Gyeln.) Brodo & D. Hawksw.

Alectoria nidulifera Norrl. = Bryoria furcellata (Fr.) Brodo & D. Hawksw.

Alectoria nigricans (Ach.) Nyl. - A.

Alectoria norstictica Mot. = Bryoria pseudofuscescens (Gyeln.) Brodo & D. Hawksw.

Alectoria ochroleuca (Hoffm.) Massal. - A.

Alectoria oregana Tuck. = Bryoria oregana (Tuck.) Brodo & D. Hawksw.

Alectoria oregana auct. (p.p.) = Bryoria abbreviata (Müll. Arg.) Brodo & D. Hawksw.

Alectoria positiva (Gyeln.) Mot. = Bryoria fuscescens (Gyeln.) Brodo & D. Hawksw. var. positiva (Gyeln.) Brodo & D. Hawksw.

Alectoria pseudofuscescens Gyeln. = Bryoria pseudofuscescens (Gyeln.) Brodo & D. Hawksw.

Alectoria pubescens (L.) R.H. Howe = Pseudephebe pubescens (L.) Choisy

Alectoria sarmentosa (Ach.) Ach. subsp. **sarmentosa** Synonym:

A. sarmentosa var. gigantea Räs. - C, I(w), B.

- subsp. **vexillifera** (Nyl.) D. Hawksw. Synonym: A. vexillifera (Nyl.) Stizenb. - A.

- var. gigantea Räs. = subsp. sarmentosa - Type: Longworth (H).

Alectoria simplicior (Vain.) Lynge = Bryoria simplicior (Vain.) Brodo & D. Hawksw.

Alectoria subcana (Nyl. ex Stizenb.) Gyeln. = Bryoria subcana (Nyl. ex Stizenb.) Brodo & D. Hawksw.

Alectoria subdivergens Dahl = Bryoria subdivergens (Dahl) Brodo & D. Hawksw.

Alectoria subtilis Mot. = Bryoria pseudofuscescens (Gyeln.) Brodo & D.Hawksw.

Alectoria tenerrima Mot. = Bryoria fremontii (Tuck.) Brodo & D. Hawksw. - Type: Wells Gray Provincial Park (H, LBL).

Alectoria tenuis Dahl = Bryoria tenuis (Dahl) Brodo & D. Hawksw.

Alectoria tortuosa Merr. = Bryoria tortuosa (Merr.) Brodo & D. Hawksw.

Alectoria vancouverensis (Gyeln.) Gyeln. ex Brodo & D. Hawksw. - Type: Vancouver Island (UPS). - C.

Alectoria vexillifera (Nyl.) Stizenb. = A. sarmentosa (Ach.) Ach. subsp. vexillifera (Nyl.) D. Hawksw.

Alectoria vrangiana (Gyeln.) = Bryoria vrangiana (Gyeln.) Brodo & D. Hawksw. Unreliable report.

Allantoparmelia almquistii (Vain.) Essl. Synonym: Parmelia almquistii Vain. - A.

Allantoparmelia alpicola (Th. Fr.) Essl. Synonym: Parmelia alpicola Th. Fr. - A.

Amygdalaria consentiens (Nyl.) Hertel, Brodo & M. Inoue Synonyms: Lecidea consentiens Nyl., Huilia consentiens (Nyl.) Hertel - C.

Amygdalaria continua Brodo & Hertel - Type: Takakia Lake, Moresby Island, Queen Charlotte Islands (CANL). - C. This species and others in the genus Amygdalaria listed below are discussed in Brodo and Hertel (1987).

Amygdalaria haidensis Brodo & Hertel - Type: Tasu, Moresby Island, Queen Charlotte Islands (CANL). - C.

Amygdalaria panaeola (Ach.) Hertel & Brodo Synonyms: Huilia panaeola (Ach.) Hertel, Lecidea panaeola Ach.

Amygdalaria pelobotryon (Wahlenb.) Norm. Synonym: Lecidea pelobotryon (Wahlenb.) Leight. ("pelobotrya").

Amygdalaria subdissentiens (Nyl.) M. Inoue & Brodo Synonym: Lecidea

subdissentiens Nyl.

Anaptychia "leucomelaena" = Heterodermia leucomelos (L.) Poelt

Anisomeridium biforme (Borr.) R.C. Harris Synonym: Arthopyrenia biformis (Borr.) Massal. - C.

Arctomia delicatula Th. Fr.

Arctoparmelia centrifuga (L.) Hale Synonyms: Parmelia centrifuga (L.) Ach., Xanthoparmelia centrifuga (L.) Hale - C, I(w), B, A.

Arctoparmelia incurva (Pers.) Hale Synonyms: Parmelia incurva (Pers.) Fr., Xanthoparmelia incurva (Pers.) Hale - I(w).

Arctoparmelia separata (Th. Fr.) Hale Synonyms: Parmelia separata Th. Fr., Xanthoparmelia separata (Th. Fr.) Hale - A.

Arctoparmelia subcentrifuga (Oxner) Synonyms: Parmelia subcentrifuga Oxner, Xanthoparmelia subcentrifuga (Oxner) Hale - A, I(w).

Arthonia aspersa Leight. - C.

Arthonia carneorufa Will. - C.

Arthonia complanata Fée Unreliable report.

Arthonia dispersa (Schrader) Nyl. - C.

Arthonia excedens Nyl. Unreliable report.

Arthonia glebosa Tuck. - I(d).

Arthonia hypobela (Nyl.) Zahlbr. - C.

Arthonia impolita (Hoffm.) Borr. Unreliable report.

[1]**Arthonia intexta** Almq. - C.

Arthonia lapidicola (Tayl.) Branth & Rostr. - C.

Arthonia macounii Merr. = Arthothelium macounii (Merr.) Noble

Arthonia patellulata Nyl. - I(w).

Arthonia phaeobaea (Norm.) Norm. - C.

Arthonia polygramma Nyl. - C.

Arthonia radiata (Pers.) Ach. - C.

Arthonia willeyi Tuck. ex Hedr.

Arthopyrenia antecellens (Nyl.) Arn. - C.

Arthopyrenia biformis (Borr.) Massal. = Anisomeridium biforme (Borr.) R. C. Harris

Arthopyrenia cerasi (Schrader) Massal.

Arthopyrenia cf. cinereopruinosa (Schaerer) Massal. Perhaps conspecific with Didymella abieticola Vain. (see Corlett 1981)

Arthopyrenia fallax (Nyl.) Arn. = A. lapponina Anzi

Arthopyrenia faginea (Schaerer) Swinsc. = Strigula stigmatella (Ach.) R.C. Harris.

Arthopyrenia gemmmata (Ach.) Massal. = Acrocordia gemmata (Ach.) Massal.

Arthopyrenia halodytes (Nyl.) Arn. Synonym: A. sublitoralis (Leight.) Arn. - C. However, Santesson (1984) regards A. sublitoralis (growing on barnacles) as distinct from A. halodytes s. str.

Arthopyrenia cf. lapponina Anzi Synonym: A. fallax (Nyl.) Arn. - C.

Arthopyrenia padi Rabenh. = A. punctiformis Massal.

[2]**Arthopyrenia plumbaria** (Stizenb.) R.C. Harris Synonyms: Porina plumbaria (Stizenb.) Hasse, Verrucaria plumbaria Stizenb. - C.

[2]**Arthopyrenia punctiformis** Massal. Synonym: A. padi Rabenh. - W.

Arthopyrenia sublitoralis (Leight.) Arn. = A. halodytes (Nyl.) Arn.

Arthothelium ilicinum (Tayl.) P. James - C.

Arthothelium macounii (Merr.) Noble Synonym: Arthonia macounii Merr. - Type: Sidney, Vancouver I. (FH). - C.

Arthothelium spectabile Flotow ex Massal. - C.

Arthrorhaphis citrinella (Ach.) Poelt Synonym: Bacidia citrinella (Ach.) Branth & Rostr. - I(w).

Asahinea chrysantha (Tuck.) Culb. & C. Culb. - A.

Asahinea scholanderi (Llano) Culb. & C. Culb. - A.

Aspicilia alpina (Sommerf.) Arn. Synonym: Lecanora alpina Sommerf.

Aspicilia caesiocinerea (Nyl. ex Malbr.) Arn. Synonym: Lecanora caesiocinerea Nyl. ex Malbr.

Aspicilia calcarea (L.) Mudd Synonym: Lecanora calcarea (L.) Sommerf.

Aspicilia candida (Anzi) Hue Synonym: Lecanora candida (Anzi) Nyl.

Aspicilia cinerea (L.) Körber Synonym: Lecanora cinerea (L.) Sommerf. - C.

Aspicilia cinereorufescens (Ach.) Massal. Synonym: Lecanora cinereorufescens (Ach.) Hepp

Aspicilia contorta (Hoffm.) Kremp. Synonym: Lecanora contorta (Hoffm.) J. Stein. - C.

Aspicilia cupreogrisea (Th. Fr.) Hue Unreliable report.

Aspicilia diamarta (Ach.) Boist. = Bellemerea diamarta (Ach.) Hafellner & Roux

Aspicilia gibbosa (Ach.) Körber Synonyms: A. gibbosula (H. Magn.) Oxner, Lecanora gibbosa (Ach.) Nyl., L. gibbosula H. Magn.

Aspicilia gibbosula (H. Magn.) Oxner = A. gibbosa (Ach.) Körber

Aspicilia karelica (H. Magn.) Oxner Synonym: Lecanora karelica H. Magn.

Aspicilia lacustris (With.) Th. Fr. = Hymenelia lacustris (With.) Poelt & Vezda

Aspicilia laxula (H. Magn.) Brodo Synonym: Lecanora laxula H. Magn. - C.

Aspicilia leprosescens (Sandst.) Hav. Synonym: Lecanora leprosescens Sandst. - C.

Aspicilia melanaspis (Ach.) Poelt & Leuck. Synonym: Lecanora melanaspis (Ach.) Ach. - C.

Aspicilia myrinii (Fr.) B. Stein Synonym: Lecanora myrinii (Fr.) Tuck. ex Curt.

Aspicilia subsorediza (Lynge ex Dahl et al.) R. Sant. Synonym: Lecidea subsorediza Lynge ex Dahl et al. - A.

Aspicilia supertegens Arn. Synonym: Lecanora supertegens (Ach.) Zahlbr.

Aspicilia verrucigera Hue Synonym: Lecanora verrucigera (Hue) Zahlbr.

Aspicilia verrucosa (Ach.) Körber = Pachyospora verrucosa (Ach.) Massal.

[1]**Asterophoma mazaediicola** D. Hawksw. - I(w).

[1]**Bachmanniomyces uncialicola** (Zopf) D. Hawksw. - C.

Bacidia abbrevians (Nyl.) Th. Fr. = B. igniarii (Nyl.) Oxner

Bacidia akompsa (Tuck.) Fink

Bacidia alaskensis (Nyl.) Zahlbr. - C.

Bacidia arceutina (Ach.) Arn. - C.

Bacidia atrogrisea (Del. ex Hepp) Körber = B. laurocerasi (Del. ex Duby) Ozenda & Clauz.

Bacidia bagliettoana (Massal. & de Not.) Jatta Synonym: B. muscorum (Sw.) Mudd

Bacidia beckhausii Körber

Bacidia chlorococca (Graewe ex Stenham.) Lett. = Scoliciosporum chlorococcum (Graewe ex Stenham.) Vezda

Bacidia citrinella (Ach.) Branth & Rostr. = Arthrorhaphis citrinella (Ach.) Poelt

Bacidia declinis (Tuck.) Zahlbr. - C.

Bacidia egenula (Nyl.) Arn. - C.

Bacidia friesiana (Hepp) Körber Tentative report; the specimen must be verified. - C.

Bacidia fuscorubella (Ach.) Bausch = B. polychroa (Th. Fr.) Körber

Bacidia herrei Zahlbr. - C

Bacidia igniarii (Nyl.) Oxner Synonym: B. abbrevians (Nyl.) Th. Fr. - C.

Bacidia inundata (Fr.) Körber - C.

Bacidia laurocerasi (Del. ex Duby) Ozenda & Clauz. Synonym: B. atrogrisea (Del. ex Hepp) Körber - C.

Bacidia muscorum (Sw.) Mudd = B. bagliettoana (Massal. & de Not.) Jatta

Bacidia naegelii (Hepp) Zahlbr. - C.

Bacidia obscurata (Sommerf.) Zahlbr. Synonym: Mycobilimbia obscurata (Sommerf.) Rehm Hafellner (1984) places this species, as well as Bacidia sabuletorum, in the genus Mycobilimbia saying they are not even closely related to Bacidia. Although we agree, we think it is best not to refer them to that genus (nor to recognize other genera such as Biatora and Biatorina) until a thorough review of all related species is done, and at least the majority of taxa are correctly classified.

Bacidia polychroa (Th. Fr.) Körber Synonym: B. fuscorubella (Ach.) Bausch

Bacidia rosella (Pers.) de Not.

Bacidia rubella (Hoffm.) Massal. - C.

Bacidia sabuletorum (Schreber) Lett. Synonym: Mycobilimbia sabuletorum (Schreber) Hafellner (See note under Bacidia obscurata.)

Bacidia scopulicola (Nyl.) A.L. Sm. - C.

Bacidia sphaeroides (Dicks.) Zahlbr.

Bacidia umbrina (Ach.) Bausch = Scoliciosporum umbrinum (Ach.) Arn.

Baeomyces carneus Flörke

Baeomyces placophyllus Ach. - I(w).

Baeomyces rufus (Hudson) Rebent. - C, I(w).

Bellemerea diamarta (Ach.) Hafellner & Roux Synonyms: Lecanora diamarta

(Ach.) Vain., Aspicilia diamarta (Ach.) Boist. - I(w).

Biatorella moriformis (Ach.) Th. Fr. = Strangospora moriformis (Ach.) B. Stein

Blastenia sinapisperma (Lam.) Massal. = Caloplaca sinapisperma (Lam.) Mah. & Gill.

Botrydina botryoides (L.) Redh. & Kuyper, ined. Synonyms: B. vulgaris Bréb., Omphalina ericetorum (Pers.) M. Lange, O. umbellifera sensu auct., non (L.) Quél. - C, I(w).

Botrydina viridis (Ach.) Redh. & Kuyper, ined. Synonyms: Coriscium viride (Ach.) Vain., Omphalina hudsoniana (Jenn.) Bigelow, O. luteolilacina (Favre) Henderson - C, I(w).

Botrydina vulgaris Bréb. = B. botryoides (L.) Redh. & Kuyper, ined.

Brigantiaea fuscolutea (Dicks.) R. Sant. Unreliable report. Synonym: Lopadium fuscoluteum (Dicks.) Mudd

Brodoa oroarctica (Krog) Goward Synonym: Hypogymnia oroarctica Krog. The genus Brodoa was recently segregated from Hypogymnia by Goward (1986). - A.

Bryonora castanea (Hepp) Poelt Synonym: Lecanora castanea (Hepp) Th. Fr. Unreliable report.

Bryonora curvescens (Mudd) Poelt Synonym: Lecania curvescens (Mudd) A.L. Sm.

Bryoria abbreviata (Müll. Arg.) Brodo & D. Hawksw. Synonyms: Alectoria abbreviata (Müll. Arg.) R.H. Howe, A. oregana auct. (p.p.) - I(w), - I(d), A.

Bryoria bicolor (Ehrh.) Brodo & D. Hawksw. Synonym: Alectoria bicolor (Ehrh.) Nyl. - C.

Bryoria capillaris (Ach.) Brodo & D. Hawksw. Synonym: Alectoria implexa auct., non (Hoffm.) Nyl. - C, I(d), I(w).

Bryoria carlottae Brodo & D. Hawksw. - Type: Port Clements, Graham I., Queen Charlotte Islands (BM, CANL). - C.

Bryoria cervinula Mot. ex Brodo & D. Hawksw. Synonym: Alectoria cervinula Mot. - C.

Bryoria chalybeiformis (L.) Brodo & D. Hawksw. Synonym: Alectoria chalybeiformis (L.) S. Gray - C, I(w), A.

Bryoria fremontii (Tuck.) Brodo & D. Hawksw. Synonyms: Alectoria fremontii

Tuck., A. tenerrima Mot. A reexamination of the holotype of A. tenerrima (H) revealed it to be a slender, non-sorediate morphotype of Bryoria fremontii rather than B. lanestris (Ach.) Brodo & D. Hawksw. as stated in Brodo and Hawksworth (1977). - C, I(d), I(w), A.

Bryoria friabilis Brodo & D. Hawksw. - C. I(w).

Bryoria furcellata (Fr.) Brodo & D. Hawksw. Unreliable report.

Synonym: Alectoria nidulifera Norrl.

Bryoria fuscescens (Gyeln.) Brodo & D. Hawksw. Synonym: Alectoria fuscescens Gyeln. - C, I(w).

- var. positiva (Gyeln.) Brodo & D. Hawksw. Unreliable report; this variety has been recorded from Oregon, Washington, and Alaska and may yet be found in the province. Synonym: Alectoria positiva (Gyeln.) Mot.

Bryoria glabra (Mot.) Brodo & D. Hawksw. Synonym: Alectoria glabra Mot. - C, I(w).

Bryoria implexa (Hoffm.) Brodo & D. Hawksw. Synonym: Alectoria implexa (Hoffm.) Nyl. - B.

Bryoria lanestris (Ach.) Brodo & D. Hawksw. Synonym: Alectoria lanestris (Ach.) Gyeln. - W.

Bryoria nadvornikiana (Gyeln.) Brodo & D. Hawksw. The report of this species in the province (Brodo and Hawksworth 1977) was based on a mislabelled specimen. However, B. nadvornikiana is known from Alberta and Alaska and it may yet be found in the province. Synonym: Alectoria altaica (Gyeln.) Räs., A. nadvornikiana Gyeln.

Bryoria nitidula (Th. Fr.) Brodo & D. Hawksw. Synonym: Alectoria lanea auct.,. non (Ehrh. ex Hoffm.) Vain. - A.

Bryoria oregana (Tuck.) Brodo & Hawksw. Synonym: Alectoria oregana Tuck. - C, I(d), I(w), A.

Bryoria pikei Brodo & D. Hawksw. - C.

Bryoria pseudofuscescens (Gyeln.) Brodo & D. Hawksw. Synonyms: Alectoria norstictica Mot., A. pseudofuscescens Gyeln., A. subtilis Mot. - I(d), I(w), A.

Bryoria simplicior (Vain.) Brodo & D. Hawksw. Synonym: Alectoria simplicior (Vain). Lynge - I(d), I(w), B, A.

Bryoria subcana (Nyl. ex Stizenb.) Brodo & D. Hawksw. Synonym: Alectoria subcana (Nyl. ex Stizenb.) Gyeln. - C.

Bryoria subdivergens (Dahl) Brodo & D. Hawksw. Synonym: Alectoria subdivergens Dahl - A.

Bryoria tenuis (Dahl) Brodo & D. Hawksw. Synonym: Alectoria tenuis Dahl - C.

Bryoria tortuosa (Merr.) Brodo & D. Hawksw. Synonym: Alectoria tortuosa Merr. - Type: near Westminster (FH). - C, I(d), A.

Bryoria trichodes (Michx.) Brodo & D. Hawksw. subsp. **americana** (Mot.) Brodo & D. Hawksw. Synonym: Alectoria americana Mot. - C.

- subsp. **trichodes** Synonym: Alectoria canadensis Mot. - C.

Bryoria vrangiana (Gyeln.) Brodo & D. Hawksw. Synonym: Alectoria vrangiana Gyeln. Specimens named as B. vrangiana in Brodo and Hawksworth (1977) are, for the most part, corticolous morphotypes of B. chalybeiformis. B. vrangiana s. str. is so far known only from Europe (Krog 1979).

Buellia alboatra (Hoffm.) Th. Fr. = Diplotomma alboatrum (Hoffm.) Flotow

Buellia atrata (Sm.) Anzi = Orphniospora moriopsis (Massal.) D. Hawksw.

Buellia badia (Fr.) Massal. - C.

Buellia chlorophaea (Hepp ex Leight.) Lett. = Diplotomma chlorophaeum (Hepp ex Leight.) Szat.

Buellia coniops (Wahlenb.) Th. Fr. - C.

Buellia curtisii (Tuck.) Imsh. Previously known only from eastern North America. Identification by Dr. J.W. Sheard. - C.

Buellia disciformis (Fr.) Mudd - C.'

Buellia elegans Poelt Synonym: B. epigaea auct. amer., non (Pers.) Tuck. - A, I(d).

Buellia epigaea auct. amer., non (Pers.) Tuck. North American records under this name are probably referable to B. elegans Poelt.

Buellia erubescens Arn. Synonym: B. zahlbruckneri J. Stein. - C.

Buellia fosteri Imsh., nom. inval. (Imshaug 1951) This taxon was included in B. callispora (Knight) J. Stein. by Hale and Culberson (1970), and B. callispora is regarded to be a synonym of Rinodina dissa (Stirton) Mayrh. by Mayrhofer (1984). - C.

Buellia geophila (Flörke ex Sommerf.) Lynge - I(d).

Buellia griseovirens (Turn. & Borr. ex Sm.) Almb. - C.

Buellia halonia (Ach.) Tuck. - C.

Buellia insignis (Naegeli ex Hepp) Th. Fr.

Buellia lauricassiae (Fée) Müll. Arg. Unreliable report.

Buellia cf. lepidastroidea Imsh., nom. inval. (Imshaug 1951) - C.

Buellia moriopsis (Massal.) Th. Fr. = Orphniospora moriopsis (Massal.) D. Hawksw.

Buellia oidalea (Tuck.) Tuck.

Buellia papillata (Sommerf.) Tuck. - I(d).

Buellia penichra (Tuck.) Hasse = Diplotomma penichrum (Tuck.) Szat.

Buellia polyspora (Will.) Vain. Unreliable report. A polysporous morphotype of B. punctata which is not conspecific with B. polyspora, is present in B.C.

Buellia pulchella (Schaerer) Tuck. = Catolechia wahlenbergii (Ach.) Körber

Buellia pulverulenta (Anzi) Jatta - I(w).

Buellia punctata (Hoffm.) Massal. - C.

Buellia stellulata (Tayl.) Mudd - C.

Buellia stigmaea Tuck. Unreliable report.

Buellia stillingiana J. Stein. - C.

Buellia triphragmioides Anzi - C.

Buellia turgescens Tuck. - C.

Buellia verruculosa (Sm.) Mudd - C.

Buellia wahlenbergii (Ach.) Sheard = Catolechia wahlenbergii (Ach.) Körber

Buellia zahlbruckneri J. Stein. = B. erubescens Arn.

Calicium abietinum Pers. - C, I(w).

Calicium adaequatum Nyl. - I(w).

Calicium adspersum Pers. - C.

Calicium corynellum (Ach.) Ach. - I(w).

Calicium floerkei Zahlbr. = Chaenothecopsis pusilla (Flörke) A. Schmidt

Calicium glaucellum Ach. - C, I(w).

Calicium populneum Brond. ex Duby = Phaeocalicium populneum (Brond. ex Duby) A. Schmidt

Calicium pusillum Flörke = Chaenothecopsis pusilla (Flörke) A. Schmidt

Calicium salicinum Pers. - C, I(w).

Calicium subquercinum Asah. - C.

Calicium subtile Pers. = Mycocalicium subtile (Pers.) Szat.

Calicium viride Pers. - C, I(w).

Caloplaca approximata (Lynge) H. Magn. - I(d).

Caloplaca arenaria (Pers.) Müll. Arg. - C.

Caloplaca atroflava (Turn.) Mong. - C.

Caloplaca atrosanguinea (Merr.) Lamb - Type: Sidney, Vancouver I. (FH). - C.

Caloplaca aurantiaca (Lightf.) Th. Fr. = C. flavorubescens (Hudson) Laundon

Caloplaca bolacina (Tuck.) Herre

Caloplaca borealis (Vain.) Poelt - A, B.

Caloplaca cf. caesiorufella (Nyl.) Zahlbr. - C.

Caloplaca cerina (Ehrh. ex Hedw.) Th. Fr. - C.

Caloplaca chrysophthalma Degel. - C.

Caloplaca cinnamomea (Th. Fr.) Oliv. - I(d).

Caloplaca citrina (Hoffm.) Th. Fr. - I(w).

Caloplaca diphyodes (Nyl.) Jatta - I(d).

Caloplaca epithallina Lynge - I(d).

Caloplaca feracissima H. Magn. - C.

Caloplaca ferruginea (Hudson) Th. Fr. - C.

Caloplaca flavorubescens (Hudson) Laundon Synonym: C. aurantiaca (Lightf.) Th. Fr. - C.

Caloplaca flavovirescens (Wulf.) Dalla Torre & Sarnth. - C.

Caloplaca fraudans (Th. Fr.) Oliv. - I(d).

Caloplaca granulosa (Müll. Arg.) Jatta Recent reports of this species from B.C. (Noble 1978) actually refer to C. verruculifera (Vain.) Zahlbr.

Caloplaca holocarpa (Hoffm.) Wade Synonym: C. pyracea (Ach.) Th. Fr. - C.

Caloplaca irrubescens (Nyl.) Blomb. & Forss. - C.

Caloplaca jungermanniae (Vahl) Th. Fr. - I(d).

Caloplaca laeta H. Magn. - C.

Caloplaca leucoraea (Ach. ex Flörke) Branth = C. sinapisperma (Lam.) Mah. &

Gill.

Caloplaca litoricola Brodo - C.

Caloplaca livida (Hepp) Jatta - C.

Caloplaca marina (Wedd.) Zahlbr. - C.

Caloplaca murorum (Hoffm.) Th. Fr. = C. saxicola (Hoffm.) Nordin. Unreliable report.

Caloplaca nivalis (Körber) Th. Fr. - C.

Caloplaca oregona H. Magn. - C.

Caloplaca pyracea (Ach.) Th. Fr. = C. holocarpa (Hoffm.) Wade

Caloplaca rosei Hasse Unreliable report.

Caloplaca saxicola (Hoffm.) Nordin Unreliable report. Synonym: C. murorum (Hoffm.) Th. Fr.

Caloplaca scopularis (Nyl.) Lett. - C.

Caloplaca sinapisperma (Lam.) Mah. & Gill. Synonym: Blastenia sinapisperma (Lam.) Massal., Caloplaca leucoraea (Ach. ex Flörke) Branth

Caloplaca stillicidiorum (Vahl) Lynge - I(d), I(w), A.

Caloplaca teicholyta (Ach.) J. Stein. - C.

Caloplaca thallincola (Wedd.) Du Rietz - C.

Caloplaca tominii Sav. - I(d).

Caloplaca variabilis (Pers.) Müll. Arg. Unreliable report.

Caloplaca verruculifera (Vain.) Zahlbr. - C.

Caloplaca vicaria H. Magn. - Type: Comox, Vancouver I. (UPS). - C.

Caloplaca vitellinula (Nyl.) Oliv. Unreliable report.

Candelaria concolor (Dicks.) B. Stein - C.

Candelariella athallina (Wedd.) Du Rietz - B.

Candelariella aurella (Hoffm.) Zahlbr. - C.

Candelariella cf. efflorescens R.C. Harris & Buck - C.

Candelariella cf. rosulans (Müll. Arg.) Zahlbr. - C, I(d).

Candelariella terrigena Räs. - I(d), A.

Candelariella vitellina (Hoffm.) Müll. Arg. - C.

Candelariella xanthostigma (Ach.) Lett.

Carbonea vorticosa (Flörke) Hertel Synonym: Lecidea vorticosa (Flörke) Körber

Catapyrenium lachneum (Ach.) R. Sant. Synonym: Dermatocarpon hepaticum (Ach.) Th. Fr., D. lachneum (Ach.) A.L. Sm. - I(d).

Catillaria atropurpurea (Schaerer) Th. Fr. = Catinaria atropurpurea (Schaerer) Vezda & Poelt

Catillaria biformigera (Leight.) H. Magn. = Tylothallia biformigera (Leighton) P. James & Kilias

Catillaria bouteillei (Desm.) Zahlbr. - C.

Catillaria chalybeia (Borr.) Massal. - C.

Catillaria columbiana (Merr.) Noble - Type: Sidney, Vancouver I. (FH, UBC). - C.

Catillaria globulosa (Flörke) Th. Fr. - C.

Catillaria graniformis (Hag.) Vain. = Cliostomum graniforme (Hag.) Coppins

Catillaria griffithii (Sm.) Malme = Cliostomum griffithii (Sm.) Coppins

Catillaria laureri Hepp ex Th. Fr. = Catinaria laureri (Hepp ex Th. Fr.) Degel. Unreliable report.

Catillaria lenticularis (Ach.) Th. Fr. Unreliable report.

Catillaria sphaeroides (Dicks.) Schuler Unreliable report.

Catillaria subnitida Hellb. - C.

Catinaria atropurpurea (Schaerer) Vezda & Poelt Synonym: Catillaria atropurpurea (Schaerer) Th. Fr. - C.

Catinaria laureri (Hepp ex Th. Fr.) Degel. Unreliable report. Synonym: Catillaria laureri Hepp ex Th. Fr.

Catolechia wahlenbergii (Ach.) Körber Synonym: Buellia wahlenbergii (Ach.) Sheard - A.

Cavernularia hultenii Degel. - C, I(w).

Cavernularia lophyrea (Ach.) Degel. - C.

Cetraria agnata (Nyl.) H. Krist. - B.

Cetraria canadensis (Räs.) Räs. Syntypes (not lectotypified): Kamloops, Fish L., Aleza L., Hazelton (H). - C, I(d), I(w).

Cetraria chlorophylla (Willd.) Vain. - C, I(w), A.

Cetraria ciliaris Ach. var. ciliaris Unreliable reports. Records of this variety are C. ciliaris Ach. var. halei (Culb. & C. Culb.) Ahti or C. orbata (Nyl.) Fink.

- var. **halei** (Culb. & C. Culb.) Ahti Synonym: Cetraria halei Culb. & C. Culb., Tuckermannopsis halei (Culb. & C. Culb.) M.J. Lai - I(w), B.

Cetraria commixta (Nyl.) Th. Fr. - I(w), A.

Cetraria cucullata (Bell.) Ach. - B, A.

Cetraria delisei (Bory ex Schaerer) Nyl. - A.

Cetraria ericetorum Opiz subsp. **reticulata** (Räs.) Kärnef. - Type: Kamloops (H). - I(d), I(w), A.

Cetraria fendleri (Nyl.) Tuck. Unreliable report.

Cetraria glauca (L.) Ach. = Platismatia glauca (L.) Culb. & C. Culb.

Cetraria halei Culb. & C. Culb. = C. ciliaris Ach. var. halei (Culb. & C. Culb.) Ahti

Cetraria hepatizon (Ach.) Vain. - W.

Cetraria herrei Imsh. = Platismatia herrei (Imsh.) Culb. & C. Culb.

Cetraria idahoensis Essl. Synonym: Esslingeriana idahoensis (Essl.) Hale & M.J. Lai - I(w).

Cetraria islandica (L.) Ach. subsp. **crispiformis** (Räs.) Kärnef. - A.

- subsp. **islandica** - I(d), I(w), A.

- subsp. **orientalis** (Asah.) Kärnef. - C.

Cetraria lacunosa Ach. var. lacunosa = Platismatia lacunosa (Ach.) Culb. & C. Culb.

Cetraria lacunosa Ach. var. macounii Du Rietz = Platismatia lacunosa (Ach.) Culb. & C. Culb.

Cetraria laevigata Rass. - B, A.

Cetraria merrillii Du Rietz - C, I(d), I(w).

Cetraria nigricans Nyl. - A.

Cetraria nivalis (L.) Ach. - I(d), B, A.

Cetraria norvegica (Lynge) Du Rietz = Platismatia norvegica (Lynge) Culb. & C. Culb.

Cetraria orbata (Nyl.) Fink Synonym: Tuckermannopsis orbata (Nyl.) M.J. Lai - C, I(d), I(w).

Cetraria pallidula Tuck. - I(d), I(w).

Cetraria pinastri (Scop.) S. Gray - I(d), I(w), B.

Cetraria platyphylla Tuck. - Type: Stewarts L. (FH). Synonym: Nephromopsis

platyphylla (Tuck.) Herre - C, I(d), I(w).

Cetraria richardsonii Hook. = Masonhalea richardsonii (Hook.) Kärnef.

Cetraria sepincola (Ehrh.) Ach. - C, I(w).

Cetraria subalpina Imsh. - A.

Cetraria tilesii Ach. - I(w), A.

Cetraria tuckermanii Oakes = Platismatia tuckermanii (Oakes) Culb. & C. Culb.

Unreliable reports. Reports of this species are probably based on Platismatia herrei (Imsh.) Culb. & C. Culb.

Cetrelia cetrarioides (Del. ex Duby) Culb. & C. Culb. - C.

Chaenotheca brunneola (Ach.) Müll. Arg. - C, I(w).

Chaenotheca carthusiae (Harm.) Lett. - C, I(w).

Chaenotheca chrysocephala (Turn. ex Ach.) Th. Fr. - C,I(w).

Chaenotheca ferruginea (Turn. ex Sm.) Mig. - C, I(w).

Chaenotheca furfuracea (L.) Tibell Synonym: Coniocybe furfuracea (L.) Ach. - C, I(w).

Chaenotheca gracillima (Vain.) Tibell Synonym: Coniocybe gracillima Vain. - I(w).

Chaenotheca hygrophila Tibell - C.

Chaenotheca laevigata Nádv. - C, I(w).

Chaenotheca phaeocephala (Turn.) Th. Fr. Unreliable report.

Chaenotheca stemonea (Ach.) Müll. Arg. - I(w).

Chaenotheca subroscida (Eitn.) Zahlbr. - C, I(w).

Chaenotheca trichialis (Ach.) Th. Fr. - C, I(w).

Chaenotheca xyloxena Nádv. - C,I(w).

[1]**Chaenothecopsis consociata** (Nádv.) A. Schmidt - C.

[2]**Chaenothecopsis debilis** (Turn. & Borr. ex Sm.) Tibell - I(w).

[1]**Chaenothecopsis epithallina** Tibell - I(w).

Chaenothecopsis lignicola (Nádv.) A. Schmidt - I(w).

[2]**Chaenothecopsis nana** Tibell - I(w).

[2]**Chaenothecopsis pusilla** (Flörke) A. Schmidt Synonym: Calicium floerkei Zahlbr., C. pusillum Flörke -I(w).

[2]**Chaenothecopsis subpusilla** (Vain.) Tibell - B.

[2]**Chaenothecopsis viridialba** (Kremp.) A. Schmidt - I(w).

[2]**Chaenothecopsis viridireagens** (Nádv.) A. Schmidt - I(w).

Chrysothrix candelaris (L.) Laundon Synonym: Lepraria candelaris (L.) Fr. - C.

Chrysothrix chlorina (Ach.) Laundon Synonym: Lepraria chlorina (Ach.) Ach. - C, I(w).

Cladina aberrans (des Abb.) Hale & Culb. = C. stellaris (Opiz) Brodo var. aberrans (des Abb.) Ahti

Cladina alpestris (L.) Nyl. = C. stellaris (Opiz) Brodo var. stellaris

Cladina arbuscula (Wallr.) Hale & Culb. subsp. **beringiana** (Ahti) Golubk. Synonym: Cladonia arbuscula (Wallr.) Rabenh. subsp. beringiana Ahti, Cladina beringiana (Ahti) Trass - I(w), B, A.

Cladina beringiana (Ahti) Trass = Cladina arbuscula (Wallr.) Hale & Culb. subsp. beringiana (Ahti) Golubk.

Cladina ciliata (Stirton) Trass var. **ciliata** Synonym: Cladonia ciliata Stirton var. ciliata, C. leucophaea des Abb. - C.

- var. **tenuis** (Flörke) Ahti & Lai Synonym: Cladina tenuis (Flörke) B. de Lesd., Cladonia tenuis (Flörke) Harm. - C.

Cladina impexa B. de Lesd. The B.C. reports refer to C. portentosa (Duf.) Follm. subsp. pacifica (Ahti) Ahti.

Cladina mitis (Sandst.) Hustich Synonym: Cladonia mitis Sandst. - I(d), I(w), B, A.

Cladina portentosa (Duf.) Follm. subsp. **pacifica** (Ahti) Ahti f. **pacifica** Synonym: Cladonia pacifica Ahti, Cladina pacifica (Ahti) Hale, nom. inval., Cladina impexa B. de Lesd. p.p., Cladonia portentosa (Duf.) Coem. subsp. pacifica (Ahti) Ahti - Type: Whytecliffe, Horseshoe Bay, West Vancouver (H, UBC). - C.

- f. **decolorans** (Ahti) Ahti, Synonym: Cladonia portentosa (Duf.) Coem. subsp. pacifica (Ahti) Ahti f. decolorans Ahti - Type: Graham I., Queen Charlotte Islands (H, UPSV). - C.

Cladina rangiferina (L.) Nyl. Synonym: Cladonia rangiferina (L.) Weber ex Wigg. - W.

Cladina stellaris (Opiz) Brodo var. **aberrans** (des Abb.) Ahti Synonyms: Cladonia alpestris (L.) Rabenh. f. aberrans des Abb., Cladina aberrans

(des Abb.) Hale & Culb., Cladonia alpestris (L.) Rabenh. var. aberrans (des Abb.) Ahti - A.

- var. **stellaris** Synonym: C. alpestris (L.) Nyl., Cladonia alpestris (L.) Rabenh. - B, A.

Cladina stygia (Fr.) Ahti - C, I(w), B.

Cladina tenuis (Flörke) B. de Lesd. = C. ciliata (Stirton) Trass var. tenuis (Flörke) Ahti & Lai

Cladonia acuminata (Ach.) Norrl. Synonym: C. norrlinii Vain. - I(w).

Cladonia alinii Trass Unreliable report.

Cladonia alpestris (L.) Rabenh. var. aberrans (des Abb.) Ahti = Cladina stellaris (Opiz) Brodo var. aberrans (des Abb.) Ahti

Cladonia alpestris (L.) Rabenh. = Cladina stellaris (Opiz) Brodo var. stellaris

Cladonia alpicola (Flotow) Vain. = C. macrophylla (Schaerer) Stenham.

Cladonia amaurocraea (Flörke) Schaerer - I(w), B, A.

Cladonia anomaea (Ach.) Ahti & P. James = C. ramulosa (With.) Laundon

Cladonia arbuscula (Wallr.) Rabenh. subsp. beringiana Ahti = Cladina arbuscula (Wallr.) Hale & Culb. subsp. beringiana (Ahti) Golubk.

Cladonia asahinae Thoms. - C.

Cladonia bacillaris Nyl. - I(w).

Cladonia bacilliformis (Nyl.) Glück - I(w).

Cladonia bellidiflora (Ach.) Schaerer - C, I(w), A.

Cladonia botrytes (Hag.) Willd. - I(w).

Cladonia caespiticia (Pers.) Flörke - C. - Identification uncertain.

Cladonia capitata (Michx.) Spreng. = C. peziziformis (With.) Laundon

Cladonia carassensis Vain. Synonym: C. carassensis Vain. subsp. japonica (Vain.) Asah., C. japonica Vain. - C. The taxonomic status of the B.C. material needs further study (see Krog 1968).

Cladonia carassensis Vain. subsp. japonica (Vain.) Asah. = C. carassensis Vain.

Cladonia cariosa (Ach.) Spreng. - C, I(d), I(w).

Cladonia carneola (Fr.) Fr. - W.

Cladonia cenotea (Ach.) Schaerer - W.

Cladonia cervicornis (Ach.) Flotow subsp. **cervicornis** Synonym: C. verticillata (Hoffm.) Schaerer var. cervicornis (Ach.) Flörke - C.

- subsp. **verticillata** (Hoffm.) Ahti Synonym: C. verticillata (Hoffm.) Schaerer var. verticillata - C, I(d), I(w).

Cladonia chlorophaea (Flörke ex Sommerf.) Spreng. - W.

Cladonia ciliata Stirton var. ciliata = Cladina ciliata (Stirton) Trass var. ciliata.

Cladonia clavulifera Vain. Unreliable report.

Cladonia coccifera (L.) Willd. - W.

Cladonia coniocraea auct. - I(w), B.

Cladonia conistea (Del.) Asah. = C. humilis (With.) Laundon

Cladonia conoidea Ahti = C. humilis (With.) Laundon

Cladonia cornuta (L.) Hoffm. subsp. **cornuta** - W.

- subsp. **groenlandica** (Dahl) Ahti Synonym: C. cornuta var. groenlandica Dahl, C. groenlandica (Dahl) Trass - C.

Cladonia cornuta (L.) Hoffm. var. groenlandica Dahl = C. cornuta (L.) Hoffm. subsp. groenlandica (Dahl) Ahti

Cladonia crispata (Ach.) Flotow var. **cetrariiformis** (Del.) Vain. - C, A.

- var. **crispata** - W.

Cladonia cristatella Tuck. Unreliable report.

Cladonia cryptochlorophaea Asah. - C.

Cladonia cyanipes (Sommerf.) Nyl. - I(w).

Cladonia decorticata (Flörke) Spreng. - I(w).

Cladonia deformis (L.) Hoffm. - W.

Cladonia degenerans (Flörke) Spreng. = C. phyllophora Ehrh. ex Hoffm.

Cladonia digitata (L.) Hoffm. - I(w).

Cladonia ecmocyna Leight. subsp. ecmocyna Unreliable report.

- subsp. **intermedia** (Robb.) Ahti Synonym: C. ecmocyna var. intermedia (Robb.) Evans - I(w), B, A.

Cladonia ecmocyna Leight. var. intermedia (Robb.) Evans = C. ecmocyna Leight. subsp. intermedia (Robb.) Ahti

Cladonia elongata (Jacq.) Hoffm. Unreliable report. North American specimens of this species have been referred to C. ecmocyna, C. macroceras, C.

gracilis subsp. nigripes, and C. maxima (Ahti 1980).

Cladonia fimbriata (L.) Fr. Synonym: C. major (Hag.) Sandst. - W.

Cladonia flavescens Vain. Unreliable report. The record of this species by Macoun (1902) is based on material (US) referable to C. transcendens.

Cladonia furcata (Hudson) Schrader Synonym: C. herrei Fink ex Hedr. The North American west coast material, which has been included either in C. furcata or C. multiformis, deviates from C. furcata s.str. and needs further study.

Cladonia gonecha (Ach.) Asah. = C. sulphurina (Michx.) Fr.

Cladonia gracilis (L.) Willd. subsp. **nigripes** (Nyl.) Ahti - A.

- subsp. **turbinata** (Ach.) Ahti Synonym: C. gracilis var. dilatata auct. - C, I(w), B.

- subsp. **vulnerata** Ahti - C.

Cladonia gracilis (L.) Willd. var. dilatata auct. = C. gracilis (L.) Willd. subsp. turbinata (Ach.) Ahti

Cladonia grayi Merr. ex Sandst. - C, I(w).

Cladonia groenlandica (Dahl) Trass = C. cornuta (L.) Hoffm. subsp. groenlandica (Dahl) Ahti

Cladonia herrei Fink ex Hedr. = C. furcata (Hudson) Schrader

Cladonia humilis (With.) Laundon Synonym: C. conoidea Ahti, C. conistea (Del.) Asah. - C.

Cladonia japonica Vain. = C. carassensis Vain.

Cladonia kanewskii Oxner - A.

Cladonia lepidota auct. = C. stricta (Nyl.) Nyl.

Cladonia leucophaea des Abb. = Cladina ciliata (Stirton) Trass var. ciliata.

Cladonia macilenta Hoffm. - C.

Cladonia macroceras (Del.) Ahti - A.

Cladonia macrophylla (Schaerer) Stenham. Synonym: C. alpicola (Flotow) Vain. - A.

Cladonia macrophyllodes Nyl. - I(d), I(w), A.

Cladonia macroptera Räs. - C.

Cladonia major (Hag.) Sandst. = C. fimbriata (L.) Fr.

Cladonia maxima (Asah.) Ahti - C.

Cladonia merochlorophaea Asah. - C, I(w).

Cladonia metacorallifera Asah. - C, I(w), A.

Cladonia mitis Sandst. = Cladina mitis (Sandst.) Hustich

Cladonia multiformis Merr. - I(d), I(w), B. Records and collections from coastal B.C. are included in C. furcata (Hudson) Schrader

Cladonia nemoxyna (Ach.) Arn. = C. rei Schaerer

Cladonia nipponica Asah. - C.

Cladonia norrlinii Vain. = C. acuminata (Ach.) Norrl. var. norrlinii (Vain.) Lynge

Cladonia ochrochlora Flörke - C, I(w).

Cladonia pacifica Ahti = Cladina portentosa (Duf.) Follm. subsp. pacifica (Ahti) Ahti

Cladonia parasitica (Hoffm.) Hoffm. - I(w).

Cladonia peziziformis (With.) Laundon Synonym: C. capitata (Michx.) Spreng. Unreliable report.

Cladonia phyllophora Ehrh. ex Hoffm. Synonym: C. degenerans (Flörke) Spreng. - W.

Cladonia pityrea (Flörke) Fr. = C. ramulosa (With.) Laundon

Cladonia pleurota (Flörke) Schaerer - W.

Cladonia pocillum (Ach.) O. Rich. Synonym: C. pyxidata (L.) Hoffm. var. pocillum (Ach.) Flotow - W.

Cladonia polydactyla (Flörke) Spreng. Unreliable report.

Cladonia portentosa (Duf.) Coem. subsp. pacifica (Ahti) Ahti f. decolorans Ahti = Cladina portentosa (Duf.) Follm. subsp. pacifica (Ahti) Ahti f. decolorans (Ahti) Ahti

Cladonia portentosa (Duf.) Zahlbr. subsp. pacifica (Ahti) Ahti = Cladina portentosa (Duf.) Follm. subsp. pacifica (Ahti) Ahti f. pacifica

Cladonia pseudomacilenta Asah. - C, I(d).

Cladonia pseudorangiformis Asah. - C.

Cladonia pseudostellata Asah. - C.

Cladonia pyxidata (L.) Hoffm. - W.

Cladonia pyxidata (L.) Hoffm. var. pocillum (Ach.) Flotow = C. pocillum (Ach.) O. Rich.

Cladonia ramulosa (With.) Laundon Synonym: C. pityrea (Fr.) Flörke, C. anomaea (Ach.) Ahti & P. James. Unreliable report. Most records of this species from B.C. actually refer to C. verruculosa.

Cladonia rangiferina (L.) Wigg. = Cladina rangiferina (L.) Nyl.

Cladonia rei Schaerer Synonym: C. nemoxyna (Ach.) Arn. - I(d), I(w).

Cladonia scabriuscula (Del.) Leight. - C, I(w).

Cladonia squamosa (Scop.) Hoffm. var. **squamosa** - W.

- var. **subsquamosa** (Nyl. ex Leight.) Vain. Synonym: C. subsquamosa (Nyl. ex Leight.) Vain., nom. illegit. - C.

Cladonia stricta (Nyl.) Nyl. Synonym: C. lepidota auct. - A.

Cladonia subcervicornis (Vain.) Kernst. Unreliable report.

Cladonia subfurcata (Nyl.) Arn. - C, A.

Cladonia subsquamosa (Nyl. ex Leight.) Vain. = C. squamosa (Scop.) Hoffm. var. subsquamosa (Nyl. ex Leight.) Vain.

Cladonia subulata (L.) Weber ex Wigg. - C, I(d).

Cladonia sulphurina (Michx.) Fr. Synonym: C. gonecha (Ach.) Asah. - I(w), B, A.

Cladonia symphycarpa (Ach.) Fr. - I(d), I(w), A.

Cladonia tenuis (Flörke) Harm. = Cladina ciliata (Stirton) Trass var. tenuis (Flörke) Ahti & Lai

Cladonia theiophila Asah. = C. vulcani Sav.

Cladonia transcendens (Vain.) Vain. - C.

Cladonia turgida Ehrh. ex Hoffm. Unreliable report.

Cladonia umbricola Tönsb. & Ahti - I(w).

Cladonia uncialis (L.) Weber ex Wigg. - W.

Cladonia verruculosa (Vain.) Ahti - Type: Vancouver I. (UPS). - C, I(d), I(w).

Cladonia verticillata (Hoffm.) Schaerer var. cervicornis (Ach.) Flörke = C. cervicornis (Ach.) Flotow subsp. cervicornis

Cladonia verticillata (Hoffm.) Schaerer var. verticillata = C. cervicornis (Ach.) Flotow subsp. verticillata (Hoffm.) Ahti

Cladonia vulcani Sav. Synonym: C. theiophila Asah. - C.

Cladonia wainii Sav. - C.

Cladonia yunnana (Vain.) des Abb. Unreliable report.

Clauzadea monticola (Ach. ex Schaerer) Hafellner & Bellem. Synonyms: Lecidea monticola Ach. ex Schaerer, Protoblastenia monticola (Ach. ex Schaerer) J. Stein.

Cliostomum graniforme (Hag.) Coppins Synonym: Catillaria graniformis (Hag.) Vain. - C.

Cliostomum griffithii (Sm.) Coppins Synonyms: Catillaria griffithii (Sm.) Malme, Biatorina griffithii (Sm.) Massal. See comments under Bacidia obscurata. - C.

[1]**Clypeococcum grossum** (Körber) D. Hawksw. - I(w).

Coccotrema maritimum Brodo - Type: Jedway, Moresby I., Queen Charlotte Islands (CANL). - C.

Coccotrema pocillarium (Cumm.) Brodo - C.

Coelocaulon aculeatum (Schreber) Link Synonym: Cornicularia aculeata (Schreber) Ach. - C, I(d), I(w), A.

Coelocaulon divergens (Ach.) R.H. Howe Synonym: Cornicularia divergens Ach. The generic disposition of this species is under study by I. Kärnefelt.

Coelocaulon muricatum (Ach.) Laundon - C.

Collema bachmanianum (Fink) Degel. var. **bachmanianum** - I(w).

Collema callopismum Massal. var. **rhyparodes** (Nyl.) Degel.

Collema ceraniscum Nyl.

Collema coccophorum Tuck. - I(d).

Collema conglomeratum Hoffm. var. crassiusculum (Malme) Degel. Unreliable report. Synonym: C. cyrtaspis Tuck.

Collema crispum (Hudson) Wigg.

Collema cristatum (L.) Wigg. - C, I(w).

Collema cyrtaspis Tuck. = C. conglomeratum Hoffm. var. crassiusculum (Malme) Degel.

Collema fecundum Degel. - Type: Narvaez Bay, Saturn I., Gulf Islands (CANL, Herb. Degel., Herb. Noble, UBC). - C.

Collema flaccidum (Ach.) Ach. - C.

Collema furfuraceum (Arn.) Du Rietz var. **furfuraceum** - C, I(w).

- var. **luzonense** (Räs.) Degel. - C.

Collema fuscovirens (With.) Laundon Synonym: C. tuniforme (Ach.) Ach. - C, I(w).

Collema limosum (Ach.) Ach. Unreliable report.

Collema multipartitum Sm.

Collema nigrescens (Hudson) DC. - C.

Collema novozelandicum Degel. Unreliable report. References to this species belong to C. fecundum Degel.

Collema polycarpon Hoffm. var. **polycarpon**

Collema pustulatum Ach. Unreliable report.

Collema subflaccidum Degel. Synonym: C. subfurvum auct. non (Müll. Arg.) Degel. - I(w).

Collema subfurvum auct. = C. subflaccidum Degel.

Collema subparvum Degel. - Type: Marble Canyon, W. of Cache Cr. (Herb. Degel., Herb. Henssen). - I(d).

Collema tenax (Sw.) Ach. var. **corallinum** (Massal.) Degel.

- var. **crustaceum** (Kremp.) Degel.

- var. **tenax**

Collema tuniforme (Ach.) Ach. = C. fuscovirens (With.) Laundon

Collema undulatum Laurer ex Flotow var. **granulosum** Degel. - C.

Coniocybe furfuracea (L.) Ach. = Chaenotheca furfuracea (L.) Tibell

Coniocybe gracillima Vain. = Chaenotheca gracillima (Vain.) Tibell

Coniocybe sulphurea s. auct. non (Retz) Nyl. - I(w).

Coniocybopsis arenaria (Hampe ex Massal.) Vain. = Microcalicium arenarium (Hampe ex Massal.) Tibell

Coniothyrium lecanoracearum Vouaux = Lichenoconium usneae (Anzi) D. Hawksw. - Type: Victoria (H, UPS, isosyntypes).

Coriscium viride (Ach.) Vain. = Botrydina viridis (Ach.) Redh. & Kuyper, ined.

Cornicularia aculeata (Schreber) Ach. = Coelocaulon aculeatum (Schreber) Link

Cornicularia californica (Tuck.) Du Rietz - C.

Cornicularia divergens Ach. = Coelocaulon divergens (Ach.) R.H. Howe

Cornicularia normoerica (Gunn.) Du Rietz - A.

Cornicularia pseudosatoana Asah. The generic disposition of this species is under study by I. Kärnefelt. - C.

Cypheliopsis bolanderi (Tuck.) Vain. = Thelomma mammosum (Hepp) Massal.

Cyphelium caliciforme Flotow ex Zahlbr., nom. nudum. Unreliable report. Records of this species actually refer to Thelomma occidentale (Herre) Tibell

Cyphelium inquinans (Sm.) Trev. Synonym: Cyphelium ventricosulum (Müll. Arg.) Zahlbr. - C, I(w).

Cyphelium karelicum (Vain.) Räs. - C, I(w).

Cyphelium occidentale Herre = Thelomma occidentale (Herre) Tibell

Cyphelium pinicola Tibell - I(w).

Cyphelium tigillare (Ach.) Ach.

Cyphelium trachylioides (Nyl. ex Branth & Rostr.) Erichs.

Cyphelium ventricosulum (Müll. Arg.) Zahlbr. = C. inquinans (Sm.) Trev. - Type: Galton Mts., between the Kootenay and Flathead Rivers (G).

Cystocoleus ebeneus (Dillwyn) Thwaites - I(w).

Dactylina arctica (Hook.) Nyl. - A.

Dactylina beringica Bird & Thoms. - Type: Summit Lake, Mile 292.5 Alaska Highway (CANL, COLO, DUKE, H, WIS, UAC, US). - A.

Dactylina madreporiformis (Ach.) Tuck. Most reports of this species actually belong to D. ramulosa (Hook.) Tuck. or D. beringica Bird. & Thoms. However, D. madreporiformis is indeed known from NW British Columbia (Douglas and Peterson 1980).

Dactylina ramulosa (Hook.) Tuck. - A.

Dendriscocaulon intricatulum (Nyl.) Henssen - C, I(w).

Dendriscocaulon umhausense (Auersw.) Degel. Synonym: Polychidium umhausense (Auersw.) Henssen Unreliable report. According to James and Henssen (1976) the North American records of this species probably belong to D. intricatulum.

Dermatocarpon fluviatile (Weber) Th.Fr. = D. luridum (With.) Laundon

Dermatocarpon hepaticum (Ach.) Th. Fr. = Catapyrenium lachneum (Ach.) R. Sant.

Dermatocarpon heppioides Zahlbr. - C.

Dermatocarpon intestiniforme (Körber) Hasse - A.

Dermatocarpon lachneum (Ach.) A.L. Sm. = Catapyrenium lachneum (Ach.) R. Sant.

Dermatocarpon luridum (With.) Laundon Synonym: D. fluviatile (Weber) Th.

Fr., D. weberi (Ach.) Mann - I(w), A.

Dermatocarpon miniatum (L.) Mann Synonym: D. muehlenbergii (Ach.) Müll. Arg. - C, I(w).

Dermatocarpon muehlenbergii (Ach.) Müll. Arg. = D. miniatum (L.) Mann

Dermatocarpon reticulatum H. Magn. - C, I(w).

Dermatocarpon rivulorum (Arn.) Dalla Torre & Sarnth. - I(w).

Dermatocarpon weberi (Ach.) Mann = D. luridum (With.) Laundon

Desmaziera cephalota (Tuck.) Follm. & Hun. = Niebla cephalota (Tuck.) Rundel & Bowler

Dimelaena oreina (Ach.) Norm. Synonym: Rinodina oreina (Ach.) Massal. - I(d).

Dimelaena thysanota (Tuck.) Hale & Culb. - I(d).

Dimerella diluta (Pers.) Trev. Synonym: D. pineti (Schrader ex Ach.) Vezda

Dimerella lutea (Dicks.) Trev. - C.

Dimerella pineti (Schrader ex Ach.) Vezda = D. diluta (Pers.) Trev.

Diploschistes bisporus (Bagl.) J. Stein. - C.

Diploschistes bryophilus (Ehrh. ex Ach.) Zahlbr. = D. muscorum (Scop.) R. Sant.

Diploschistes canadensis Räs. - Type: Kamloops (H). - I(d).

Diploschistes muscorum (Scop.) R. Sant. Synonym: D. bryophilus (Ehrh. ex Ach.) Zahlbr., D. scruposus (Schreber) Norm. var. bryophilus (Ehrh. ex Ach.) Müll. Arg. - I(w).

Diploschistes scruposus (Schreber) Norm. - C.

Diploschistes scruposus (Schreber) Norm. var. bryophilus (Ehrh. ex Ach.) Müll. Arg. = D. muscorum (Scop.) R. Sant.

Diplotomma alboatrum (Hoffm.) Flotow Synonym: Buellia alboatra (Hoffm.) Th. Fr. - C.

Diplotomma chlorophaeum (Hepp ex Leight.) Szat. Synonym: Buellia chlorophaea (Hepp ex Th. Fr.) Lett. - C.

Diplotomma penichrum (Tuck.) Szat. Synonym: Buellia penichra (Tuck.) Hasse - C.

[1]**Echinothecium reticulatum** Zopf - I(w).

Endocarpon pusillum Hedw. - I(d).

Ephebe lanata (L.) Vain. - C.

Erioderma mollissimum (Samp.) Du Rietz - C.

Erioderma sorediatum Galloway & P.M. Joerg. - C.

Esslingeriana idahoensis (Essl.) Hale & M.J. Lai = Cetraria idahoensis Essl.

Evernia divaricata (L.) Ach. - I(w), A.

Evernia mesomorpha Nyl. - I(w), B.

Evernia perfragilis Llano - A.

Evernia prunastri (L.) Ach. - C, I(w).

Farnoldia jurana (Schaerer) Hertel Synonyms: Lecidea jurana Schaerer, Melanolecia jurana (Schaerer) Hertel, Tremolecia jurana (Schaerer) Hertel

Flavopunctelia flaventior (Stirton) Hale Synonym: Parmelia flaventior Stirton - C.

Fistulariella Bowler & Rundel See Ramalina

Flavoparmelia caperata (L.) Hale Synonyms: Pseudoparmelia caperata (L.) Hale, Parmelia caperata (L.) Ach. Unreliable report.

Fulgensia bracteata (Hoffm.) Räs. - I(d).

Fuscidea mollis (Wahlenb.) V. Wirth & Vezda Synonym: Lecidea mollis (Wahlenb.) Nyl. - C.

Graphina anguina (Mont.) Müll. Arg. - C.

Graphis elegans (Borr. ex Sm.) Ach. - C.

Graphis scripta (L.) Ach. - C.

Gyalecta cupularis (Hedw.) Schaerer = G. jenensis (Batsch) Zahlbr. - C.

Gyalecta jenensis (Batsch) Zahlbr. Synonym: G. cupularis (Hedw.) Schaerer

Gyalidea hyalinescens (Nyl.) Vezda - C.

Gyalideopsis alnicola Noble & Vezda - Type: Mt. Maxwell, Saltspring I., Gulf Islands (CANL, Herb. Noble, Herb. Vezda, UBC) - C.

Haematomma elatinum (Ach.) Massal.

Haematomma lapponicum Räs. - I(w), A.

Haematomma ochrophaeum (Tuck.) Massal. - C.

Haplocarpon Choisy See Porpidia or Huilia

Heppia lutosa (Ach.) Nyl. Unreliable report.

Heterodermia leucomelos (L.) Poelt Synonym: Anaptychia °leucomelaena' auct. - C.

Heterodermia sitchensis Goward & Noble - Type: Long Beach, Pacific Rim National Park, Vancouver I. (CANL, UBC). - C.

Heterodermia speciosa (Wulf.) Trev. - C, B.

Huilia albocaerulescens (Wulf.) Hertel = Porpidia albocaerulescens (Wulf.) Hertel & Knoph

Huilia consentiens (Nyl.) Hertel = Amygdalaria consentiens (Nyl.) Hertel, Brodo & M. Inoue

Huilia crustulata (Ach.) Hertel = Porpidia crustulata (Ach.) Hertel & Knoph

Huilia macrocarpa (DC.) Hertel = Porpidia macrocarpa (DC.) Hertel & Schwab

Huilia nigrocruenta (Anzi) Hertel = Porpidia macrocarpa (DC.) Hertel & Schwab

Huilia panaeola (Ach.) Hertel = Amygdalaria panaeola (Ach.) Hertel & Brodo

Huilia soredizodes (Lamy) Hertel = [Porpidia] soredizodes (Lamy)

Huilia tuberculosa (Sm.) P. James = Porpidia tuberculosa (Sm.) Hertel & Knoph

Hydrothyria venosa Russ. - A.

Hymenelia lacustris (With.) Poelt & Vezda Synonym: Aspicilia lacustris (With.) Th. Fr., Lecanora lacustris (With.) Nyl. - C.

Hypocenomyce anthracophila (Nyl.) P. James & G. Schneider Synonyms: Lecidea anthracophila Nyl., Psora anthracophila (Nyl.) Arn. - C.

Hypocenomyce friesii (Ach.) P. James & G. Schneider Synonym: Lecidea friesii Ach., Psora friesii (Ach.) Hellb. - C, I(w).

Hypocenomyce scalaris (Ach.) Choisy Synonym: Lecidea scalaris (Ach.) Ach., Psora scalaris (Ach.) Hook. - C, I(w).

Hypogymnia atrofusca (Schaerer) Räs. Unreliable reports. References to this species in B.C. actually apply to Brodoa oroarctica (Krog) Goward.

Hypogymnia austerodes (Nyl.) Räs. - I(w), B, A.

Hypogymnia bitteri (Lynge) Ahti - I(w), B.

Hypogymnia duplicata (Sm. ex Ach.) Rass. Synonym: H. elongata (Hillm.) Rass. - C.

Hypogymnia elongata (Hillm.) Rass. = H. duplicata (Sm. ex Ach.) Rass.

Hypogmnia enteromorpha (Ach.) Nyl. - C, I(w).

Hypogymnia heterophylla Pike - C.

Hypogymnia imshaugii Krog - Type: Mt. Rabbit, Tulameen (H). - C, I(w), I(d).

Hypogymnia imshaugii Krog var. inactiva Krog = H. inactiva (Krog) Ohlss.

Hypogymnia inactiva (Krog) Ohlss. Synonym: H. imshaugii Krog var. inactiva Krog - C.

Hypogymnia metaphysodes (Asah.) Rass. - C, I(d), I(w), A.

Hypogymnia occidentalis Pike - C, I(w).

Hypogymnia oroarctica Krog = Brodoa oroarctica (Krog) Goward

Hypogymnia physodes (L.) Nyl. - W.

Hypogymnia pseudophysodes (Asah.) Rass. - C, I(w).

Hypogymnia rugosa (Merr.) Hale - Type: MacLeod's Lake (CANL). - C, I(w).

Hypogymnia subobscura (Vain.) Poelt - A.

Hypogymnia tubulosa (Schaerer) Hav. - W.

Hypogymnia vittata (Ach.) Gas. - C, I(w).

Hypotrachyna revoluta (Flörke) Hale Synonym: Parmelia revoluta Flörke - C.

Hypotrachyna sinuosa (Sm.) Hale Synonym: Parmelia sinuosa (Sm.) Ach. - C.

Icmadophila ericetorum (L.) Zahlbr. - C, I(w), A.

Imshaugia aleurites (Ach.) S.F. Meyer Synonym: Parmeliopsis aleurites (Ach.) Nyl. - C, I(w).

Ionaspis epulotica (Ach.) Blomb. & Forss.

Ionaspis melanocarpa (Kremp.) Arn.

Ionaspis odora (Ach.) Th. Fr. - C, I(w).

Ionaspis schismatopsis (Nyl.) Hue - A.

Koerberia sonomensis (Tuck.) Henssen - C.

Kohlmeyera complicatula (Nyl.) Schatz Synonym: Leptogiopsis complicatulum Nyl., Mastodia tessellata J.D. Hook. & Harv., Turgidosculum complicatula (Nyl.) J. Kohlm. & E. Kohlm. - C.

Lasallia papulosa (Ach.) Llano Synonym: Umbilicaria papulosa (Ach.) Nyl.

Lasallia pensylvanica (Hoffm.) Llano Synonym: Umbilicaria pensylvanica Hoffm. - I(w)

Lecanactis amylacea (Ehrh. ex Pers.) Arn. Unreliable report. References to this species are probably referable to L. megaspora (Merr.) Brodo (= L. amylacea var. megaspora (Merr.) Zahlbr.)

Lecanactis megaspora (Merr.) Brodo - C.

Lecanactis patellarioides (Nyl.) Vain. - C.

Lecania curvescens (Mudd) A.L. Sm. = Bryonora curvescens (Mudd) Poelt - A.

Lecania cyrtella (Ach.) Th. Fr. - C.

Lecania dimera (Nyl.) Th. Fr. = L. dubitans (Nyl.) A.L. Sm.

Lecania dubitans (Nyl.) A.L. Sm. Synonym: Lecania dimera (Nyl.) Th. Fr. - I(w).

Lecania dudleyi Herre - C.

Lecania erysibe (Ach.) Mudd - C.

Lecania fructigena Zahlbr. - C.

Lecania hassei (Zahlbr.) Noble Synonyms: Placolecania hassei Zahlbr., Solenospora hassei (Zahlbr.) Zahlbr. - C.

Lecania nylanderiana Massal. - C.

Lecania syringea (Ach.) Th. Fr. Unreliable report.

Lecania thallophila H. Magn.

Lecanora albescens (Hoffm.) Branth & Rostr. - C.

Lecanora allophana Nyl. - C.

Lecanora alphoplaca (Wahlenb. ex Ach.) Ach.

Lecanora alpina Sommerf. = Aspicilia alpina (Sommerf.) Arn.

Lecanora argopholis (Ach.) Ach. Synonym: L. oregana Tuck., L. frustulosa auct. p.p. - A.

Lecanora atra (Hudson) Ach. = Tephromela atra (Hudson) Haffeln.

Lecanora badia (Pers.) Ach. = Protoparmelia badia (Hoffm.) Haffeln.

Lecanora behringii Nyl. - C.

Lecanora boligera (Norm. ex Th. Fr.) Hedl. - A.

Lecanora cadubriae (Massal.) Hedl. - C.

Lecanora caesiocinerea Nyl. ex Malbr. = Aspicilia caesiocinerea (Nyl. ex Malbr.) Arn.

Lecanora caesiorubella Ach. subsp. lathamii Imsh. & Brodo = L. caesiorubella Ach. subsp. prolifera (Fink) R.C. Harris.

Lecanora caesiorubella Ach. subsp. prolifera (Fink) R.C. Harris Synonym: Lecanora caesiorubella Ach. subsp. lathamii Imsh. & Brodo, Lecanora subpallida Merr. Unreliable report: an eastern North American subspecies.

Lecanora calcarea (L.) Sommerf. = Aspicilia calcarea (L.) Mudd

Lecanora candida (Anzi) Nyl. = Aspicilia candida (Anzi) Hue

Lecanora carpinea (L.) Vain. - C, I(w).

Lecanora castanea (Hepp) Th. Fr. = Bryonora castanea (Hepp) Poelt; unreliable report.

Lecanora cateilea (Ach.) Massal.

Lecanora cenisea Ach.

Lecanora chlarona auct., non (Ach.) Nyl. = L. pulicaris (Pers.) Ach.

Lecanora chlarotera Nyl. - B.

Lecanora chloropolia (Erichs.) Almb. = Haematomma elatinum (Ach.) Massal. Unreliable report; North American records mainly based on Lecanora impudens Degel.

Lecanora chrysoleuca (Sm.) Ach. = Rhizoplaca chrysoleuca (Sm.) Zopf

Lecanora cinerea (L.) Sommerf. = Aspicilia cinerea (L.) Körber

Lecanora cinereofusca H. Magn. var. **cinereofusca** - C.

Lecanora cinereorufescens (Ach.) Hepp = Aspicilia cinereorufescens (Ach.) Massal.

Lecanora circumborealis Brodo & Vitik. Synonym: Lecanora coilocarpa auct. - C, I(w).

Lecanora coilocarpa auct. = L. circumborealis Brodo & Vitik.

Lecanora confusa Almb. - C.

Lecanora congesta Lynge - C.

Lecanora conizaeoides Nyl. ex Crombie - C.

Lecanora contorta (Hoffm.) J. Stein. = Aspicilia contorta (Hoffm.) Kremp.

Lecanora contractula Nyl. - C.

Lecanora cupreogrisea Th. Fr. = Aspicilia cupreogrisea (Th. Fr.) Hue Unreliable report.

Lecanora curvescens (Mudd.) Nyl. = Bryonora curvescens (Mudd) Poelt

Lecanora demissa (Flotow) Zahlbr. Synonym: L. incusa (Fr.) Vain. - C.

Lecanora diamarta (Ach.) Vain. = Bellemerea diamarta (Ach.) Hafellner & Roux

Lecanora dispersa (Pers.) Sommerf. - W.

Lecanora epanora (Ach.) Ach. - C, I(w).

Lecanora epibryon (Ach.) Ach. - A

Lecanora expallens Ach. - C, I(w).

Lecanora frustulosa (Dicks.) Ach. Unreliable report. The records of this species in continental North America are referable to L. argopholis (Ach.) Ach. (Vänskä 1984).

Lecanora fuscescens (Sommerf.) Nyl. ex Norrl. Synonym: Lecidea fuscescens Sommerf. - I(w), A.

Lecanora gibbosa (Ach.) Nyl. = Aspicilia gibbosa (Ach.) Körber

Lecanora gibbosula H. Magn. = Aspicilia gibbosa (Ach.) Körber

Lecanora glaucomela Tuck. = Pertusaria glaucomela (Tuck.) Nyl.

Lecanora cf. grandis H. Magn. - C.

Lecanora grantii H. Magn. - C.

Lecanora hagenii (Ach.) Ach. - C.

Lecanora cf. helicopis (Wahlenb.) Ach. - C.

Lecanora impudens Degel. - B.

Lecanora incusa (Fr.) Vain. = L. demissa (Flotow) Zahlbr.

Lecanora intricata (Ach.) Ach. - C.

Lecanora intumescens (Rebent.) Rabenh.

Lecanora karelica H. Magn. = Aspicilia karelica (H. Magn.) Oxner

Lecanora lacustris (With.) Nyl. = Hymenelia lacustris (With.) Poelt & Vezda

Lecanora laxula H. Magn. = Aspicilia laxula (H. Magn.) Brodo

Lecanora leprosescens Sandst. = Aspicilia leprosescens (Sandst.) Hav.

Lecanora luteovernalis Brodo - A.

Lecanora marginata (Schaerer) Hertel & Rambold Synonyms: Lecidea marginata Schaerer, Lecidea elata Schaerer - A.

Lecanora melanaspis (Ach.) Ach. = Aspicilia melanaspis (Ach.) Poelt & Leuck.

Lecanora melanophthalmma (Ram.) Ram. = Rhizoplaca melanophthalma (Ram.) Leuck. & Poelt

Lecanora muralis (Schreber) Rabenh. - C, I(w).

Lecanora myrinii (Fr.) Tuck. ex Curt. = Aspicilia myrinii (Fr.) B. Stein

Lecanora ochrococca (Nyl.) Clauz. & Roux Synonym: L. phaeobola Tuck. - C.

Lecanora orae-frigidae R. Sant. Synonym: L. symmicta var. sorediosa Westm., Lecidea sorediata Lynge - C.

Lecanora oregana Tuck. = Lecanora argopholis (Ach.) Ach.

Lecanora pacifica Tuck. - C.

Lecanora palanderi Vain. = L. zosterae (Ach.) Nyl.

Lecanora pallida (Schreber) Rabenh. Unreliable report.

Lecanora peltata (Ram.) Steudel = Rhizoplaca peltata (Ram.) Leuck. & Poelt

Lecanora phaeobola Tuck. = L. ochrococca (Nyl.) Noble

Lecanora polytropa (Hoffm.) Rabenh. - W.

Lecanora pringlei (Tuck.) Lamb. - A.

Lecanora pulicaris (Pers.) Ach. Synonym: L. chlarona auct., non (Ach.) Nyl.

Lecanora rubina (Vill.) Ach. = Rhizoplaca chrysoleuca (Sm.) Zopf

Lecanora rugosella Zahlbr. - I(w).

Lecanora rupicola (L.) Zahlbr. - C.

Lecanora salicicola H. Magn. - B.

Lecanora sambuci (Pers.) Nyl. - C.

Lecanora straminea Wahlenb. ex Ach. - C.

Lecanora strobilina (Spreng.) Kieffer Synonym: L. conizaea North American auct. - C.

Lecanora subfusca (L.) Ach. nom. rej. prop. (Brodo and Vitikainen 1984). North American records refer to various species.

Lecanora subintricata (Nyl.) Th. Fr. - I(d), A.

Lecanora subpallida Merr. = L. caesiorubella Ach. subsp. prolifera (Fink) R.C. Harris

Lecanora supertegens (Arn.) Zahlbr. = Aspicilia supertegens Arn.

Lecanora symmicta (Ach.) Ach. Synonym: Lecidea symmicta (Ach.) Ach.

- var. sorediosa Westm. = L. orae-frigidae R. Sant.

Lecanora symmictera Nyl. - C. The name used is uncertain.

Lecanora torrida Vain.

Lecanora varia (Hoffm.) Ach. - C.

Lecanora verrucigera (Hue) Zahlbr. = Aspicilia verrucigera Hue

Lecanora verrucosa (Ach.) Laurer = Pachyospora verrucosa (Ach.) Massal.

Lecanora wisconsinensis H. Magn. Unreliable report.

Lecanora zosterae (Ach.) Nyl. Synonym: L. palanderi Vain. - C.

Lecidea aeruginosa Borr. = Trapeliopsis flexuosa (Fr.) Coppins & P. James

Lecidea albilabra Duf. Unreliable report.

Lecidea albocaerulescens (Wulf.) Ach. = Porpidia albocaerulescens (Wulf.)

Hertel

Lecidea albofuscescens Nyl. - C.

Lecidea anthracophila Nyl. = Hypocenomyce anthracophila (Nyl.) P. James & G. Schneider

Lecidea armeniaca (DC.) Fr. = Tephromela armeniaca (DC.) Hertel & Rambold

Lecidea assimilata Nyl. = Micarea assimilata (Nyl.) Coppins

Lecidea atrobrunnea (Lam. & DC.) Schaerer - A.

Lecidea atroviridis (Arn.) Th. Fr.

Lecidea auriculata Th. Fr. Unreliable report.

Lecidea berengeriana (Massal.) Nyl. - C.

Lecidea botryosa (Fr.) Th. Fr. - C.

Lecidea caesioatra Schaerer - A.

Lecidea carnulenta (Tuck.) Fink Unreliable report.

Lecidea carpathica (Körber) Szat. = Lecidella carpathica Körber

Lecidea cinnabarina Sommerf. Synonym: Protoblastenia cinnabarina (Sommerf.) Räs. - I(w).

Lecidea coarctata (Sm.) Nyl. = Trapelia coarctata (Sm.) Choisy

Lecidea columbiana H. Magn. = Lecidea tessellata Flörke - Type: Glacier, Mt. St. Piran (UPS).

Lecidea confluens (Weber) Ach.

Lecidea cruciaria Tuck. - C.

Lecidea crustulata (Ach.) Spreng. = Porpidia crustulata (Ach.) Hertel & Knoph

Lecidea decipiens (Hedw.) Ach. = Psora decipiens (Hedw.) Hoffm.

Lecidea demissa (Rutstr.) Ach. = Lecidoma demissum (Rutstr.) G. Schneider & Hertel

Lecidea dicksonii auct. = Tremolecia atrata (Ach.) Hertel

Lecidea elabens Fr. - C.

Lecidea elata Schaerer = Lecanora marginata (Schaerer) Hertel & Rambold

Lecidea enteroleuca Ach. Unreliable report.

Lecidea friesii Ach. = Hypocenomyce friesii (Ach.) P. James & G. Schneider

Lecidea furvonigrans (Tuck.) Zahlbr. Unreliable report.

Lecidea fusca (Schaerer) Th. Fr. = L. hypnorum Libert

Lecidea fuscescens Sommerf. = Lecanora fuscescens (Sommerf.) Nyl. ex Norrl.

Lecidea fuscoatra (L.) Ach. - C.

Lecidea geophana Nyl. = Steinia geophana (Nyl.) B. Stein

Lecidea glabrescens Nyl. = Mykoblastus affinis (Schaerer) Schaerer - Type: "Columbia" (BM, H-NYL). It had been thought earlier that the type came from Columbia, South America.

Lecidea globifera Ach. = Psora globifera (Ach.) Massal.

Lecidea glomerulosa (DC.) Steudel = (?)Lecidella euphorea (Flörke) Hertel

Lecidea granulosa (Hoffm.) Ach. = Trapeliopsis granulosa (Hoffm.) Lumbsch

Lecidea helvola (Körber ex Hellb.) Oliv. - I(w).

Lecidea heppii R. Anderson & W. Weber = Lecidella wulfenii (Hepp) Körber

Lecidea hypnorum Libert Synonym: L. fusca (Schaerer) Th. Fr., L. templetonii Tayl. - C.

Lecidea hypocrita Massal.

Lecidea icterica (Mont.) Tayl. = Psora icterica (Mont.) Müll. Arg.

Lecidea jurana Schaerer = Farnoldia jurana (Schaerer) Hertel

Lecidea lactea Flörke ex Schaerer = L. lapicida (Ach.) Ach. See comments of Schwab (1986).

Lecidea lapicida (Ach.) Ach. Synonyms: Lecidea lactea Flörke ex Schaerer, pantherina (Ach.) Th. Fr. - C.

Lecidea latypea Ach. Unreliable report. Early references to this species probably refer to Lecidella subincongrua (Nyl.) Hertel & Leuck.

Lecidea latypea auct., non Ach. = Lecidella carpathica Körber

Lecidea latypiza Nyl. = Lecidella carpathica Körber

Lecidea limitata auct. = Lecidella eleochroma (Ach.) Choisy

Lecidea lithophila (Ach.) Ach. - C.

Lecidea lucida (Ach.) Ach. = Psilolechia lucida (Ach.) Choisy

Lecidea lurida (With.) Ach. Synonym: Psora lurida (With.) DC.

Lecidea luridella Tuck. = Psora luridella (Tuck.) Fink

Lecidea macrocarpa (DC.) Steudel = Porpidia macrocarpa (DC.) Hertel & Schwab

Lecidea mannii Tuck. - C.

Lecidea marginata Schaerer = Lecanora marginata (Schaerer) Hertel & Rambold

Lecidea mollis (Wahlenb.) Nyl. = Fuscidea mollis (Wahlenb.) V. Wirth & Vezda

Lecidea monticola Ach. ex Schaerer = Clauzadea monticola (Ach. ex Schaerer)

Hafellner & Bellem.

Lecidea nigrocruenta Anzi = Porpidia macrocarpa (DC.) Hertel & Schwab

Lecidea novomexicana (B. de Lesd.) W. Weber ex R. Anderson = Psora nipponica (Zahlbr.) G. Schneider

Lecidea nylanderi (Anzi) Th. Fr. - C.

Lecidea oligotropha Laundon = Placynthiella oligotropha (Laundon) Coppins & P. James

Lecidea panaeola Ach. = Amygdalaria panaeola (Ach.) Hertel & Brodo

Lecidea pantherina (Ach.) Th. Fr. = Lecidea lapicida (Ach.) Ach.

Lecidea pelobotryon (Wahlenb.) Leight. = Amygdalaria pelobotryon (Wahlenb.) Norm.

Lecidea phaeops Nyl. - C.

Lecidea phylliscina Nyl. = Porpidia macrocarpa (DC.) Hertel & Schwab

Lecidea plana (Lahm.) Nyl. - C.

Lecidea quernea (Dicks.) Ach. = Pyrrhospora quernea (Dicks.) Körber

Lecidea rubiformis (Ach.) Wahlenb. = Psora rubiformis (Ach.) Hook.

Lecidea rufofusca (Anzi) Th. Fr. - I(d).

Lecidea rufonigra (Tuck.) Nyl. = Psorula rufonigra (Tuck.) G. Schneider

Lecidea russellii Tuck. = Psora russellii (Tuck.) A. Schneider

Lecidea russula Ach., s. lato Synonym: Protoblastenia russula (Ach.) Räs. - C. The B.C. material lacks lichexanthone and is therefore probably not conspecific with Lecidea russula s. str. This species, together with L. cinnabarina and other closely related taxa, requires additional study.

Lecidea scalaris (Ach.) Ach. = Hypocenomyce scalaris (Ach.) Choisy

Lecidea scotopholis (Tuck.) Herre = Psorula scotopholis (Tuck.) G. Schneider

Lecidea sorediata Lynge = Lecanora orae-frigidae R. Sant.

Lecidea sorediza Nyl. = Porpidia tuberculosa (Sm.) Hertel & Knoph

Lecidea soredizodes (Lamy) Sandst., non (Nyl.) Vain. = [Porpidia] soredizodes (Lamy)

Lecidea subsorediza Lynge ex Dahl et al. = Aspicilia subsorediza (Lynge ex Dahl et al.) R. Sant.

Lecidea sylvicola Flotow = Micarea sylvicola (Flotow) Vezda & V. Wirth

Lecidea symmicta (Ach.) Ach. = Lecanora symmicta (Ach.) Ach.

Lecidea templetonii Tayl. = L. hypnorum Libert

Lecidea tessellata Flörke Synonym: L. columbiana H. Magn. - C, I(d).

Lecidea tornoënsis Nyl. = Mykoblastus tornoënsis (Nyl.) R. Anderson

Lecidea tumida Massal. = Porpidia tuberculosa (Sm.) Hertel & Knoph

Lecidea uliginosa (Schrader) Ach. = Placynthiella uliginosa (Schrader) Coppins & P. James

Lecidea umbonata (Hepp) Mudd

Lecidea varians Ach.

Lecidea vernalis (L.) Ach. Synonym: Biatora vernalis (L.) Fr. - I(w). See note under Bacidia obscurata.

Lecidea vorticosa (Flörke) Körber = Carbonea vorticosa (Flörke) Hertel

Lecidea wallrothii Flörke ex Spreng. = Trapeliopsis wallrothii (Flörke ex Spreng.) Hertel & G. Schneider

Lecidella carpathica Körber Synonyms: Lecidea carpathica (Körber) Szat., L. latypea auct. non Ach., L. latypiza Nyl.

Lecidella elaeochroma (Ach.) Choisy Synonym: Lecidea limitata auct. - C.

Lecidella euphorea (Flörke) Hertel Synonym: (?)Lecidea glomerulosa (DC.) Steudel

Lecidella scabra (Tayl.) Hertel & Leuck. - C.

Lecidella spitsbergensis (Lynge) Hertel & Leuck. - C.

Lecidella stigmatea (Ach.) Hertel & Leuck. - C.

Lecidella subincongrua (Nyl.) Hertel & Leuck. - C.

Lecidella wulfenii (Hepp) Körber Synonym: Lecidea heppii R. Anderson & W. Weber - I(d).

Lecidoma demissum (Rutstr.) G. Schneider & Hertel Synonym: Lecidea demissa (Rutstr.) Ach., Psora demissa (Rutstr.) Hepp, Lepidoma demissum (Rutstr.) Choisy - A.

Leciophysma furfurascens (Nyl.) Gyeln.

Leioderma sorediatum P.M. Jörg. & Galloway, ined. - C.

Lempholemma isidioides (Nyl. ex Arn.) H. Magn.

Lempholemma radiatum (Sommerf.) Henssen - C.

Lepidoma demissum (Rutstr.) Choisy = Lecidoma demissum (Rutstr.) G. Schneider & Hertel

Lepraria arctica (Lynge) Wetm. - A.

Lepraria candelaris (L.) Fr. = Chrysothrix candelaris (L.) Laundon

Lepraria chlorina (Ach.) Ach. = Chrysothrix chlorina (Ach.) Laundon

Lepraria cf. crassissima (Hue) Lett.

Lepraria incana (L.) Ach. - W.

Lepraria membranacea auct., non (Dicks.) Vain.

Lepraria neglecta auct., non (Nyl.) Lett. - C.

Leprocaulon albicans (Th. Fr.) Nyl. ex Hue Synonym: Stereocaulon albicans Th. Fr. - C, A.

Leprocaulon microscopicum (Vill.) Gams ex D. Hawksw. Synonym: Stereocaulon microscopicum (Vill.) Frey - C.

Leprocaulon subalbicans (Lamb) Lamb & Ward Synonym: Stereocaulon subalbicans Lamb - A.

Leptochidium albociliatum (Desm.) Choisy Synonym: Polychidium albociliatum (Desm.) Zahlbr. - C, I(d).

Leptogiopsis complicatula Nyl. = Kohlmeyera complicatula (Nyl.) Schatz

Leptogium burnetiae Dodge - I(w).

- var. hirsutum (Sierk) P.M. Jörg. = L. hirsutum Sierk

Leptogium californicum Tuck. - C.

Leptogium corniculatum (Hoffm.) Minks Synonym: L. palmatum Mont. - C.

Leptogium corticola (Tayl.) Tuck. Unreliable report.

Leptogium cyanescens (Ach.) Körber - C, I(w).

Leptogium dactylinum Tuck. Unreliable report.

Leptogium furfuraceum (Harm.) Sierk - C, I(w).

Leptogium gelatinosum (With.) Laundon Synonym: L. sinuatum Massal. - C.

Leptogium hirsutum Sierk Synonym: L. burnetiae Dodge var. hirsutum (Sierk) P.M. Jörg. - I(w).

Leptogium lichenoides (L.) Zahlbr. - C, I(w).

Leptogium minutissimum (Flörke) Fr. - C.

Leptogium palmatum Mont. = L. corniculatum (Hoffm.) Minks

Leptogium platynum (Tuck.) Herre - C.

Leptogium rivale Tuck. - C.

Leptogium saturninum (Dicks.) Nyl. - C, I(w).

Leptogium sinuatum (Hudson) Massal. = L. gelatinosum (With.) Laundon

Leptogium tenuissimum (Dicks.) Körber - C.

Leptogium teretiusculum (Wallr.) Arn. - C.

Letharia californica (Lev.) Hue = L. columbiana (Nutt.) Thoms.

Letharia columbiana (Nutt.) Thoms. Synonym: L. californica (Lev.) Hue - I(d), A.

Letharia vulpina (L.) Hue - C, I(w), I(d), A.

Lichenomyces lichenum (Sommerf.) R. Sant. = Plectocarpon lichenum (Sommerf.) D. Hawksw.

[1]**Lichenoconium usneae** (Anzi) D. Hawksw. Synonym: Coniothyrium lecanoracearum Vouaux

Lichenothelia metzleri (Lahm) D. Hawksw. Synonym: Microthelia metzleri Lahm - C.

Lichenothelia scopularia (Nyl.) D. Hawksw. Unreliable report. Synonym: Microthelia aterrima (Kremp. ex Anzi) Zahlbr. A recent record of this species is referable to L. metzleri (Lahm) D. Hawksw.

Lichinodium canadense Henssen - Type: E of Sicamous. along Hwy. 1, Fraser R. Basin (Herb. Henss, TRTC, UBC).

Lobaria hallii (Tuck.) Zahlbr. - C, I(w).

Lobaria isidiosa (Müll. Arg.) Vain. - C.

Lobaria linita (Ach.) Rabenh. var. **linita** - C, A.

- var. **tenuior** (Del.) Asah. - C. The distinctness of this taxon is doubtful (see Brodo 1984a).

Lobaria oregana (Tuck.) Müll. Arg. - C.

Lobaria pulmonaria (L.) Hoffm. - C, I(w), I(d).

Lobaria quercizans Michx. Unreliable report.

Lobaria retigera (Bory) Trev. - C.

Lobaria scrobiculata (Scop.) DC. - C, I(w), I(d).

Lopadium alpinum (Körber) R. Sant. = Schadonia alpina Körber

Lopadium disciforme (Flotow) Kullh. Synonym: L. pezizoideum var. disciforme (Flotow) Körber - C, I(w).

Lopadium fuscoluteum (Dicks.) Mudd = Brigantiaea fuscolutea (Dicks.) R. Sant.

Lopadium gemellum (Anzi) Stizenb. = Schadonia alpina Körber

Lopadium pezizoideum (Ach.) Körber - A.

Lopadium pezizoideum (Ach.) Körber var. disciforme (Flotow) Körber = L. disciforme (Flotow) Kullh.

Maronea constans (Nyl.) Hepp Unreliable report.

Masonhalea richardsonii (Hook.) Kärnef. Synonym: Cetraria richardsonii Hook. - A.

Massalongia carnosa (Dicks.) Körber - C, I(w).

Mastodia tessellata J.D. Hook. & Harv. = Kohlmeyera complicatula (Nyl.) Schatz

Melanelia disjuncta (Erichs.) Essl. Synonym: Parmelia disjuncta Erichs. - I(w), B, A.

Melanelia elegantula (Zahlbr.) Essl. Synonym: Parmelia elegantula (Zahlbr.) Szat. var. americana Räs. - I(d).

Melanelia exasperata (de Not.) Essl. Unreliable report. Synonym: Parmelia exasperata de Not.

Melanelia exasperatula (Nyl.) Essl. Synonym: Parmelia exasperatula Nyl. - I(w), I(d).

Melanelia glabratula (Lamy) Essl. Synonym: Parmelia glabratula (Lamy) Nyl. - C.

Melanelia infumata (Nyl.) Essl. Synonym: Parmelia infumata Nyl. - I(w), B, A.

Melanelia loxodes (Nyl.) Essl. Synonym: Parmelia loxodes Nyl. - I(d).

Melanelia multispora (A. Schneider) Essl. Synonym: Parmelia multispora A. Schneider - C, I(w).

Melanelia olivaceoides (Krog) Essl. Synonym: Parmelia olivaceoides Krog - B.

Melanelia panniformis (Nyl.) Essl. Synonym: Parmelia panniformis (Nyl.) Vain. - C, I(w).

Melanelia septentrionalis (Lynge) Essl. Synonym: Parmelia septentrionalis (Lynge) Ahti - I(w), B.

Melanelia sorediata (Ach.) Goward & Ahti Synonym: M. sorediosa (Almb.) Essl., Parmelia sorediata (Ach.) Th. Fr., P. sorediosa Almb. - I(w).

Melanelia sorediosa (Almb.) Essl. = M. sorediata (Ach.) Goward & Ahti

Melanelia stygia (L.) Essl. Synonym: Parmelia stygia (L.) Ach. - I(w),

I(d), A.

Melanelia subargentifera (Nyl.) Essl. Synonym: Parmelia subargentifera Nyl. - I(w).

Melanelia subaurifera (Nyl.) Essl. Synonym: Parmelia subaurifera Nyl. - C, I(w).

Melanelia subelegantula (Essl.) Essl. Synonym: Parmelia subelegantula Essl. - I(w).

Melanelia subolivacea (Nyl.) Essl. Synonymn: Parmelia subolivacea Nyl. - I(d).

Melanelia substygia (Räs.) Essl. Synonym: Parmelia saximontana R. Anderson & W. Weber, Parmelia substygia Räs. - I(d).

Melanelia trabeculata (Ahti) Essl. Synonym: Parmelia trabeculata Ahti - I(w), B.

Melanolecia jurana (Schaerer) Hertel = Farnoldia jurana (Schaerer) Hertel

Menegazzia terebrata (Hoffm.) Massal. - C.

Micarea assimilata (Nyl.) Coppins Synonym: Lecidea assimilata Nyl. -A.

Micarea cinerea (Schaerer) Hedl. - C.

Micarea denigrata (Fr.) Hedl. Synonym: M. hemipoliella (Nyl.) Vezda - C.

Micarea globularis (Nyl.) Hedl. = M. misella (Nyl.) Hedl.

Micarea hemipoliella (Nyl.) Vezda = M. denigrata (Fr.) Hedl.

Micarea lithinella (Nyl.) Hedl. - C.

Micarea melaena (Nyl.) Hedl. - C.

Micarea misella (Nyl.) Hedl. Synonym: M. globularis (Nyl.) Hedl. - C.

Micarea peliocarpa (Anzi) Coppins & R. Sant. Synonym: M. violacea (Arn.) Hedl., M. trisepta auct. p.p. - C.

Micarea prasina Fr. - C.

Micarea sylvicola (Flotow) Vezda & V. Wirth Synonym: Lecidea sylvicola Flotow - C.

Micarea trisepta auct. p.p. = M. peliocarpa (Anzi) Coppins & R. Sant.

Micarea violacea (Arn.) Hedl. = M. peliocarpa (Anzi) Coppins & R. Sant.

Microcalicium arenarium (Hampe ex Massal.) Tibell Synonym: Coniocybopsis

arenaria (Hampe ex Massal.) Vain.

[1]**Microcalicium disseminatum** (Ach.) Vain. Synonym: M. subpedicellatum (Schaerer) Tibell - I(w).

Microcalicium subpedicellatum (Schaerer) Tibell = M. disseminatum (Ach.) Vain.

Microthelia aterrima (Kremp. ex Anzi) Zahlbr. = Lichenothelia scopularia (Nyl.) D. Hawksw.

Microthelia metzleri Lahm = Lichenothelia metzleri (Lahm) D. Hawksw.

Mycocalicium parietinum (Ach.) D. Hawksw. = Mycocalicium subtile (Pers.) Szat.

[2]**Mycocalicium subtile** (Pers.) Szat. Synonym: Calicium subtile Pers., Mycocalicium parietinum (Ach.) D. Hawksw.

Mykoblastus affinis (Schaerer) Schauer - C, I(w). The original spelling of Mykoblastus was with a "k", not a "c".

Mykoblastus glabrescens (Nyl.) Zahlbr. = M. affinis (Schaerer) Schauer

Mykoblastus sanguinarius (L.) Norm. var. dodgeanus Räs. = M. sanguinarius (L.) Norm. var. sanguinarius. - Type: Aleza Lake (H, lectotype)

- var. **sanguinarius** - C, I(w).

Mykoblastus tornoënsis (Nyl.) R. Anderson Synonym: Lecidea tornoënsis Nyl. - C.

Neofuscelia subhosseana (Essl.) Essl. Synonym: Parmelia subhosseana Essl. - I(d).

Neofuscelia verruculifera (Nyl.) Essl. Synonym: Parmelia verruculifera Nyl. - C.

Nephroma arcticum (L.) Torss. - I(w), A.

Nephroma bellum (Spreng.) Tuck. - C. I(w).

Nephroma expallidum (Nyl.) Nyl. - A.

Nephroma helveticum Ach. subsp. **helveticum** - I(w).

- subsp. **sipeanum** (Gyeln.) Goward & Ahti Synonym: (?)N. tropicum (Müll. Arg.) Zahlbr., Nephromium canadense Räs., N. helveticum var. sipeanum Gyeln.) Wetm. - C, I(w).

Nephroma helveticum var. sipeanum (Gyeln.) Wetm. = N. helveticum subsp. sipeanum (Gyeln.) Goward & Ahti

Nephroma isidiosum (Nyl.) Gyeln. - I(w).

Nephroma laevigatum Ach. - C, I(w).

Nephroma occultum Wetm. - C, I(w).

Nephroma parile (Ach.) Ach. - W.

Nephroma resupinatum (L.) Ach. - C, I(w).

Nephroma tropicum (Müll. Arg.) Zahlbr. = ?N. helveticum Ach. var. sipeanum (Gyeln.) Wetm.

Nephromium canadense Räs. = Nephroma helveticum Ach. subsp. sipeanum (Gyeln.) Goward & Ahti - Type: Aleza L. (H).

Nephromopsis platyphylla (Tuck.) Herre = Cetraria platyphylla Tuck.

[1]**Nesolechia oxyspora** Tul. - I(w).

Niebla cephalota (Tuck.) Rundel & Bowler Synonyum: Desmaziera cephalota (Tuck.) Follm. & Hun. - C.

Normandina pulchella (Borr.) Nyl. - C, I(w).

Ochrolechia androgyna (Hoffm.) Arn. - W.

Ochrolechia androgyna (Hoffm.) Arn. var. saxorum (Oeder) Vers. Unreliable report.

Ochrolechia californica Vers. - C.

Ochrolechia farinacea Howard Probably a thick-thallus morphotype of O. szatalaënsis. - C.

Ochrolechia frigida (Sw.) Lynge - A.

Ochrolechia geminipara (Th. Fr.) Vain. = Pertusaria geminipara (Th. Fr.) Knight ex Brodo

Ochrolechia gyalectina (Nyl.) Zahlbr. - A.

Ochrolechia inaequatula (Nyl.) Zahlbr. Unreliable repport.

Ochrolechia laevigata (Räs.) Vers. ex D. Hawksw. - C.

Ochrolechia oregonensis H. Magn. - C.

Ochrolechia pallescens (L.) Massal. Unreliable report.

Ochrolechia parella sensu Howard 1970, non (L.) Massal.

Ochrolechia rosella (Müll. Arg.) Vers. Unreliable report.

Ochrolechia subathallina H. Magn. - C.

Ochrolechia szatalaënsis Vers. - C.

Ochrolechia tartarea (L.) Massal. - C.

Ochrolechia turneri (Sm.) Hasselr. Tentative report; the specimen must be verified. - I(w).

Ochrolechia upsaliensis (L.) Massal. - C, I(d).

Omphalina ericetorum (Pers.) M. Lange = Botrydina botryoides (L.) Redh. & Kuyper, ined.

Omphalina hudsoniana (Jenn.) Bigelow = Botrydina viridis (Ach.) Redh. & Kuyper, ined.

Omphalina umbellifera (L.) Quel. = Botrydina botryoides (L.) Redh. & Kuyper, ined.

Omphalodiscus Schol. - See Umbilicaria

Opegrapha atra Pers. Unreliable report.

Opegrapha diaphora Ach. = O. varia Pers.

Opegrapha herbarum Mont. - C.

Opegrapha lichenoides Pers. = O. varia Pers.

Opegrapha ochrocheila Nyl. - C.

Opegrapha pulicaris auct. = O. varia Pers.

Opegrapha rufescens Pers. - C.

Opegrapha varia Pers. Synonym: O. diaphora Ach., O. lichenoides Pers., O. pulicaris auct. - C.

Opegrapha vulgata Ach. Unreliable report.

Orphniospora moriopsis (Massal.) D. Hawksw. Synonym: Buellia moriopsis (Massal.) Th. Fr.

Pachyospora verrucosa (Ach.) Massal. Synonym: Aspicilia verrucosa (Ach.) Körber, Lecanora verrucosa (Ach.) Laurer - I(d).

Pannaria conoplea (Ach.) Bory Synonym: P. pityrea auct., non (DC.) Degel. Unreliable report.

Pannaria leucophaea (Vahl) P.M. Jörg. Unreliable report. Synonym: Pannaria microphylla "(Sw.)" Del. Reports of this species in B.C. are actually P. maritima P.M. Jörg.

Pannaria leucosticta (Tuck.) Tuck. ex Nyl. Unreliable report. Records of this species in B.C. actually belong to P. leucostictoides Ohlss.

Pannaria leucostictoides Ohlss. - Type: Skidegate L., Moresby I., Queen Charlotte Islands (MSC). - C.

Pannaria maritima P.M. Jörg. - Type: Terrace Beach, Ucluelet, Vancouver I. (BG). Due to a numbering error on a local map, the type location was

reported as Middle Beach in Jörgensen (1978). - C.

Pannaria mediterranea Tav. - C.

Pannaria microphylla "(Sw.)" Del. = P. leucophaea (Vahl.) P.M. Jörg.

Pannaria pezizoides (G. Weber) Trev. - C, I(w), A.

Pannaria pityrea auct., non (DC.) Degel. = P. conoplea (Ach.) Bory.

Pannaria praetermissa Nyl. Synonym: Parmeliella praetermissa (Nyl.) P. James - I(w).

Pannaria rubiginosa (Ach.) Bory - C.

Pannaria saubinetii (Mont.) Nyl. Synonym: Parmeliella saubinetti (Mont.) Zahlbr. - C.

Parmelia almquistii Vain. = Allantoparmelia almquistii (Vain.) Essl.

Parmelia alpicola Th. Fr. = Allantoparmelia alpicola (Th. Fr.) Essl.

Parmelia arnoldii Du Rietz = Parmotrema arnoldii (Du Rietz) Hale

Parmelia aspera Massal. = Melanelia exasperata (de Not.) Essl.

Parmelia borreri (Sm.) Turn. = Punctelia borreri (Sm.) Krog

Parmelia caperata (L.) Ach. = Flavoparmelia caperata (L.) Hale

Parmelia centrifuga (L.) Ach. = Arctoparmelia centrifuga (L.) Hale

Parmelia cetrata Ach. = Parmotrema cetratum (Ach.) Hale

Parmelia chlorochroa Tuck. = Xanthoparmelia chlorochroa (Tuck.) Hale

Parmelia conspersa (Ach.) Ach. = Xanthoparmelia conspersa (Ach.) Hale

Parmelia crinita Ach. = Parmotrema crinitum (Ach.) Hale

Parmelia cumberlandia (Gyeln.) Hale = Xanthoparmelia cumberlandia (Gyeln.) Hale

Parmelia disjuncta Erichs. = Melanelia disjuncta (Erichs.) Essl.

Parmelia elegantula (Zahlbr.) Szat. var. americana Räs. = Melanelia elegantula (Zahlbr.) Essl. - Type: Kamloops (H, US).

Parmelia exasperata de Not. = Melanelia exasperata (de Not.) Essl.

Parmelia exasperatula Nyl. = Melanelia exasperatula (Nyl.) Essl.

Parmelia flaventior Stirton. = Flavopunctelia flaventior (Stirton.) Hale

Parmelia fraudans (Nyl.) Nyl. - I(w).

Parmelia glabratula (Lamy) Nyl. = Melanelia glabratula (Lamy) Essl.

Parmelia hygrophila Goward & Ahti - Type: Nelson (BM, CANL, H, UBC). - I(w), C.

Parmelia hypopsila Müll. Arg. = Xanthoparmelia hypopsila (Müll. Arg.) Hale

Parmelia incurva (Pers.) Fr. = Arctoparmelia incurva (Pers.) Hale

Parmelia infumata Nyl. = Melanelia infumata (Nyl.) Essl.

Parmelia kerguelensis Crombie Synonym: P. pseudosulcata Gyeln. - C, I(w).

Parmelia lineola Berry = Xanthoparmelia lineola (Berry) Hale

Parmelia loxodes Nyl. = Melanelia loxodes (Nyl.) Essl.

Parmelia mexicana Gyeln. = Xanthoparmelia mexicana (Gyeln.) Hale

Parmelia mougeotii Schaerer = Xanthoparmelia mougeotii (Schaerer) Hale

Parmelia multispora A. Schneider = Melanelia multispora (A. Schneider) Essl.

Parmelia olivaceoides Krog = Melanelia olivaceoides (Krog) Essl.

Parmelia omphalodes (L.) Ach. - I(w).

Parmelia panniformis (Nyl.) Vain. = Melanelia panniformis (Nyl.) Essl.

Parmelia perforata (Jacq.) Ach. = Parmotrema perforatum (Jacq.) Massal.

Parmelia perlata (Hudson) Ach. = Parmotrema perlatum (Hudson) Choisy

Parmelia plittii Gyeln. = Xanthoparmelia plittii (Gyeln.) Hale

Parmelia pseudosulcata Gyeln. = P. kerguelensis Crombie

Parmelia revoluta Flörke = Hypotrachyna revoluta (Flörke) Hale

Parmelia rudecta Ach. = Punctelia rudecta (Ach.) Krog

Parmelia saxatilis (L.) Ach. - W.

Parmelia saxatilis (L.) Ach. var. divaricata (Nyl.) Hue = P. squarrosa Hale

Parmelia saximontana R. Anderson & W. Weber = Melanelia substygia (Räs.) Essl.

Parmelia separata Th. Fr. = Arctoparmelia separata (Th. Fr.) Hale

Parmelia septentrionalis (Lynge) Ahti = Melanelia septentrionalis (Lynge) Essl.

Parmelia sinuosa (Sm.) Ach. = Hypotrachyna sinuosa (Sm.) Hale

Parmelia somloënsis Gyeln. = Xanthoparmelia somloënsis (Gyeln.) Hale

Parmelia sorediosa Almb. = Melanelia sorediata (Ach.) Goward & Ahti

Parmelia sorediata (Ach.) Th. Fr. = Melanelia sorediata (Ach.) Goward & Ahti

Parmelia sphaerosporella Müll. Arg. = Ahtiana sphaerosporella (Müll. Arg.) Goward.

Parmelia squarrosa Hale Synonyms: P. saxatilis (L.) Ach. var. divaricata (Delise ex Nyl.) Hue The record by Hämet-Ahti (1978) of var. divaricata refers to P. hygrophila Goward & Ahti. - C.

Parmelia stictica (Duby) Nyl. = Punctelia stictica (Duby) Krog

Parmelia stygia (L.) Ach. = Melanelia stygia (L.) Essl.

Parmelia subargentifera Nyl. = Melanelia subargentifera (Nyl.) Essl.

Parmelia subaurifera Nyl. = Melanelia subaurifera (Nyl.) Essl.

Parmelia subcentrifuga Oxner = Arctoparmelia subcentrifuga (Oxner) Hale

Parmelia subelegantula Essl. = Melanelia subelegantula (Essl.) Essl.

Parmelia subhosseana Essl. = Neofuscelia subhosseana (Essl.) Essl.

Parmelia subolivacea Nyl. = Melanelia subolivacea (Nyl.) Essl.

Parmelia subrudecta Nyl. = Punctelia subrudecta (Nyl.) Krog

Parmelia substygia Räs. = Melanelia substygia (Räs.) Essl.

Parmelia sulcata Tayl. - W.

Parmelia taractica Kremp. = Xanthoparmelia taractica (Kremp.) Hale

Parmelia trabeculata Ahti = Melanelia trabeculata (Ahti) Essl.

Parmelia verruculifera Nyl. = Neofuscelia verruculifera (Nyl.) Essl.

Parmelia wyomingica Gyeln. = Xanthoparmelia wyomingica (Gyeln.) Hale

Parmeliella corallinoides auct., non (Hoffm.) Zahlbr. = P. triptophpylla (Ach.) Müll. Arg.

Parmeliella praetermissa (Nyl.) P. James = Pannaria praetermissa Nyl.

Parmeliella saubinetii (Mont.) Zahlbr. = Pannaria saubinetii (Mont.) Nyl.

Parmeliella triptophylla (Ach.) Müll. Arg. Synonym: P. corallinoides auct., non (Hoffm.) Zahlbr. - I(w), I(d).

Parmeliopsis aleurites (Ach.) Nyl. = Imshaugia aleurites (Ach.) S.F. Meyer

Parmeliopsis ambigua (Wulf.) Nyl. - W.

Parmeliopsis hyperopta (Ach.) Arn. - W.

Parmotrema arnoldii (Du Rietz) Hale Synonym: Parmelia arnoldii Du Rietz - C.

Parmotrema cetratum (Ach.) Hale Unreliable report. Synonym: Parmelia cetrata Ach.

Parmotrema crinitum (Ach.) Choisy Synonym: Parmelia crinita Ach. - C.

Parmotrema perlatum (Hudson) Choisy = Parmotrema sinense (Osbeck) Hale & Ahti

Parmotrema perforatum (Jacq.) Massal. Unreliable report. Synonym: Parmelia perforata (Jacq.) Ach.

Parmotrema sinense (Osbeck) Hale & Ahti Synonyms: Parmotrema perlatum

(Hudson) Choisy, Parmelia perlata (Hudson) Ach. - C.

Peltigera aphthosa (L.) Willd. - W.

Peltigera britannica (Gyeln.) Holtan-Hartw. & Tönsb. - C, I(w).

Peltigera canina (L.) Willd. - I(w), I(d), B, A.

Peltigera collina (Ach.) Schrader - C, I(w).

Peltigera degenii Gyeln. - C, I(w).

Peltigera didactyla (With.) Laundon Synonym: P. spuria (Ach.) DC. - W.

Peltigera elisabethae Gyeln. - I(w), B.

Peltigera evansiana Gyeln. - B.

Peltigera horizontalis (Hudson) Baumg. - C, I(w).

Peltigera kristinssonii Vitik. Synonym: P. occidentalis sensu H. Krist. - I(w), B, A.

Peltigera lepidophora (Nyl. ex Vain.) Bitt. - I(d), I(w).

Peltigera leucophlebia (Nyl.) Gyeln. - W.

Peltigera malacea (Ach.) Funck - W.

Peltigera membranacea (Ach.) Nyl. - C, I(w)

Peltigera neckeri Hepp ex Müll. Arg. - I(w)

Peltigera neopolydactyla (Gyeln.) Gyeln. Synonym: P. occidentalis (Dahl) H. Krist., P. polydactyla (Neck.) Hoffm. var. neopolydactyla Gyeln. - C, I(w), B, A.

Peltigera occidentalis (Dahl) H. Krist. = P. neopolydactyla (Gyeln.) Gyeln. (or possibly distinguishable as a separate taxon.)

Peltigera occidentalis sensu H. Krist. = P. kristinssonii Vitik.

Peltigera pacifica Vitik. - Type: 10 km N of Kitsumkalum Lake (UBC; isotypes BM, CANL, H, US) - C, I(w)

Peltigera polydactyla (Neck.) Hoffm. - C, I(w).

Peltigera polydactyla (Neck.) Hoffm. var. dolicorrhiza Nyl. sensu Thomson = (mostly) P. neopolydactyla (Gyeln.) Gyeln.

Peltigera polydactyla (Neck.) Hoffm. var. neopolydactyla Gyeln. = P. neopolydactyla (Gyeln.) Gyeln.

Peltigera ponojensis Gyeln. - I(d), I(w), B, A.

Peltigera praetextata (Flörke ex Sommerf.) Zopf - C, I(w), B.

Peltigera retifoveata Vitik. - I(d), B.

Peltigera rufescens (Weis) Humb. - W.

Peltigera scabrosa Th. Fr. - I(d), I(w), B, A.

Peltigera scutata (Dicks.) Duby = P. collina (Ach.) Schrader

Peltigera spuria (Ach.) DC. = P. didactyla (With.) Laundon

Peltigera venosa (L.) Hoffm. - W.

Pertusaria albescens (Hudson) Choisy & Wern. - C.

Pertusaria amara (Ach.) Nyl. - C.

Pertusaria ambigens auct. = P. subambigens Dibben

Pertusaria borealis Erichs. - C.

Pertusaria carneopallida (Nyl.) Anzi ex Nyl. Synonym: P protuberans (Sommerf. ex Th. Fr.) Th. Fr., nom illegit.

Pertusaria chiodectonoides Bagl. ex Massal. - C.

Pertusaria dactylina (Ach.) Nyl. - A.

Pertusaria geminipara (Th. Fr.) Knight ex Brodo Synonym: Ochrolechia geminipara (Th. Fr.) Vain. - A.

Pertusaria glaucomela (Tuck.) Nyl. Synonym: Lecanora glaucomela Tuck. - C.

Pertusaria cf. hakkodensis Yasuda ex Räs. - C.

Pertusaria leioplaca DC. = P. leucostoma (Bernh.) Massal.

Pertusaria leucostoma (Bernh.) Massal. Synonym: P. leioplaca DC. - C.

Pertusaria multipuncta auct. N. Am. = misidentifications.

Pertusaria octomela (Norm.) Erichs.

Pertusaria oculata (Dicks.) Th. Fr. - A.

Pertusaria ophthalmiza (Nyl.) Nyl. Synonym: P. multipuncta auct. p.p., non (Turn.) Nyl. - C, I(w).

Pertusaria panyrga (Ach.) Massal. Some recent reports of this species actually refer to P. subdactylina Nyl. - A.

Pertusaria protuberans (Sommerf. ex Th. Fr.) Th. Fr. = P. carneopallida (Nyl.) Anzi ex Nyl.

Pertusaria pustulata (Ach.) Duby Unreliable report.

Pertusaria rhodoleuca Th. Fr. - C.

Pertusaria sommerfeltii (Flörke ex Sommerf.) Fr. - C.

Pertusaria stenhammarii Hellb. - C.

Pertusaria subambigens Dibben Synonym: P. ambigens auct. - Type: near Hope,

off Trans-Canada Hwy 1 (DUKE, US). - C, I(w).

Pertusaria subdactylina Nyl. - A.

Pertusaria suboculata Brodo & Dibben - Type: Tasu, Moresby I., Queen Charlotte Islands (CANL, DUKE). - C,

Pertusaria subplicans Nyl.

Pertusaria velata (Turn.) Nyl. Unreliable report.

Pertusaria xanthostoma (Sommerf.) Fr.

[1]**Phacopsis huuskonenii** Räs. - I(w).

[1]**Phacopsis vulpina** Tul. - I(w).

[2]**Phaeocalicium compressulum** (Nyl. ex Szat.) A. Schmidt - C.

Phaeocalicium populneum (Brond. ex Duby) A. Schmidt Synonym: Calicium populneum Brond. ex Duby - C, I(w).

Phaeophyscia ciliata (Hoffm.) Moberg Synonym: Physcia ciliata (Hoffm.) Du Rietz - C.

Phaeophyscia constipata (Norrl. & Nyl.) Moberg Synonym: Physcia constipata Norrl. & Nyl. - I(d).

Phaeophyscia decolor (Kashiw.) Essl. = P. endococcina (Körber) Moberg

Phaeophyscia endococcina (Körber) Moberg Synonym: P. decolor (Kashiw.) Essl., Physcia endococcina (Körber) Th. Fr. - I(d), I(w).

Phaeophyscia kairamoi (Vain.) Moberg Synonym: Physcia kairamoi Vain. - I(w), B.

Phaeophyscia nigricans (Flörke) Moberg Unreliable report. Synonym: Physcia nigricans (Flörke) Stizenb.

Phaeophyscia orbicularis (Neck.) Moberg Synonym: Physcia orbicularis (Neck.) Poetsch - C, I(w).

Phaeophyscia sciastra (Ach.) Moberg Synonym: Physcia sciastra (Ach.) Du Rietz - W.

Phaeorrhiza nimbosa (Fr.) Mayrh. & Poelt Synonym: Rinodina nimbosa (Fr.) Th. Fr. - I(d), A.

Phaeorrhiza sareptana (Tomin) Mayrh. & Poelt Synonym: Rinodina sareptana (Tomin) H. Magn. - I(d).

Phlyctis argena (Spreng.) Flotow - C.

Phlyctis speirea Merr. - Type: Sidney, Vancouver I. (FH). - C.

The specific status of this species needs further study.

[1]**Phragmonaevia fuckelii** Rehm - I(w).

Phylliscum demangeonii (Moug. & Mont.) Nyl. - C, I(w).

Physcia adscendens (Fr.) Oliv. - C, I(d), I(w), B.

Physcia aipolia (Ehrh. ex Humb.) Fürnr. var. **aipolia** - C.

var. **alnophila** (Vain.) Lynge - C, I(w), B.

Physcia biziana (Massal.) Zahlbr. - I(d).

Physcia caesia (Hoffm.) Fürnr. - W. See also P. wainioi Räs.

Physcia cascadensis H. Magn. - C. B.C. record needs further study.

Physcia ciliata (Hoffm.) Du Rietz = Phaeophyscia ciliata (Hoffm.) Moberg

Physcia columbiana B. de Lesd. - Type: Atlin L. (location of type not known). Described in Bouly de Lesdain (1949). Status of this species uncertain. It was not cited in Thomson (1963).

Physcia constipata Norrl. & Nyl. = Phaeophyscia constipata (Norrl. & Nyl.) Moberg

Physcia detersa (Nyl.) Nyl. = Physconia detersa (Nyl.) Poelt

Physcia dubia (Hoffm.) Lett. Synonym: P. intermedia Vain. - W.

Physcia endococcina (Körber) Th. Fr. = Phaeophyscia endococcina (Körber) Moberg

Physcia farrea auct., non (Ach.) Vain. = Physconia perisidiosa (Erichs.) Moberg

Physcia grisea (Lam.) Zahlbr. = Physconia grisea (Lam.) Poelt

Physcia intermedia Vain. = P. dubia (Hoffm.) Lett.

Physcia kairamoi Vain. = Phaeophyscia kairamoi (Vain.) Moberg

Physcia leptalea (Ach.) DC. = P. semipinnata (Gmelin) Moberg

Physcia millegrana Degel. Unreliable report.

Physcia muscigena (Ach.) Nyl. = Physconia muscigena (Ach.) Poelt

Physcia nigricans (Flörke) Stizenb. = Phaeophyscia nigricans (Flörke) Moberg

Physcia orbicularis (Neck.) Poetsch = Phaeophyscia orbicularis (Neck.) Moberg

Physcia phaea (Tuck.) Thoms. - W.

Physcia pulverulenta auct., non (Schreber) Fürnr. = Physconia distorta (With.) Laundon

Physcia sciastra (Ach.) Du Rietz = Phaeophyscia sciastra (Ach.) Moberg

Physcia setosa (Ach.) Nyl. Unreliable report.

Physcia stellaris (L.) Nyl. - I(w), B.

Physcia tenella (Scop.) DC. - C, I(d), I(w).

Physcia wainioi Räs. The delimitation of this species from P. caesia needs further study. If distinct, its oldest name may be P. subalbinea Nyl.

Physconia detersa (Nyl.) Poelt Synonym: Physcia detersa (Nyl.) Nyl.

Physconia distorta (With.) Laundon Synonym: P. pulverulacea Moberg, P. pulverulenta auct., non (Schreber) Poelt - B.

Physconia enteroxantha (Nyl.) Poelt - C, I(d), I(w).

Physconia grisea (Lam.) Poelt Unreliable report. Early records are referable to other species within the P. grisea complex.

Physconia muscigena (Ach.) Poelt Synonym: Physcia muscigena (Ach.) Nyl. - I(d), I(w), A.

Physconia perisidiosa (Erichs.) Moberg Synonym: Physcia farrea auct., non (Ach.) Vain. - I(w).

Physconia pulverulacea Moberg = P. distorta (With.) Laundon

Physconia pulverulenta auct., non (Schreber) Poelt = P. distorta (With.) Laundon

Pilophorus acicularis (Ach.) Th. Fr. - C, I(w).

Pilophorus cereolus (Ach.) Th. Fr. Unreliable report.

Pilophorus clavatus Th. Fr. Synonym: P. hallii (Tuck.) Vain. - Type: Mt. Mark, Vancouver I. (UPS). - C.

Pilophorus hallii (Tuck.) Vain. = P. clavatus Th. Fr.

Pilophorus nigricaulis Sato - C, A.

Pilophorus robustus Th. Fr. Unreliable report.

Pilophorus vegae Krog - C.

Placopsis cribellans (Nyl.) Räs. - C.

Placopsis cf. effusa Lamb - C.

Placopsis gelida (L.) Linds. - C, I(w), A.

Placynthiella icmalea (Ach.) Coppins & P. James Synonyms: Saccomorpha icmalea (Ach.) Clauz. & Roux, Lecidea icmalea Ach. The complex nomenclatural problems regarding Placynthiella Gyeln., Placynthiella

Elenkin and Saccomorpha Elenkin were discussed by Coppins et al. (1986).

Placynthiella oligotropha (Laundon) Coppins & P. James Synonyms: Saccomorpha oligotropha (Laundon) Clauz. & Roux, Lecidea oligotropha Laundon.

Placynthiella uliginosa (Schrader) Coppins & P. James Synonyms: Saccomorpha uliginosa (Schrader) Hafellner, Lecidea uliginosa (Schrader) Ach.

Placynthium asperellum (Ach.) Trev. Synonym: P. aspratile (Ach.) Henssen - I(w).

Placynthium aspratile (Ach.) Henssen = P. asperellum (Ach.) Trev.

Placynthium flabellosum (Tuck.) Zahlbr. - A.

Placynthium nigrum (Hudson) S. Gray - C.

Placynthium stenophyllum (Tuck.) Fink - I(d).

Placynthium subradiatum (Nyl.) Arn. - I(d).

Platismatia glauca (L.) Culb. & C. Culb. Synonym: Cetraria glauca (L.) Ach. - W.

Platismatia herrei (Imsh.) Culb. & C. Culb. Synonym: Cetraria herrei Imsh. - C.

Platismatia lacunosa (Ach.) Culb. & C. Culb. Synonym: Cetraria lacunosa Ach., C. lacunosa Ach. var. macounii Du Rietz, Platismatia lacunosa (Ach.) Culb. & C. Culb. var. macounii (Du Rietz) Culb. & C. Culb., comb. inval. - C.

Platismatia lacunosa (Ach.) Culb. & C. Culb. var. macounii (Du Rietz) Culb. & C. Culb. = P. lacunosa (Ach.) Culb. & C. Culb.

Platismatia norvegica (Lynge) Culb. & C. Culb. Synonym: Cetraria norvegica (Lynge) Du Rietz - C, I(w).

Platismatia stenophylla (Tuck.) Culb. & C. Culb. Synonym: Cetraria stenophylla (Tuck.) Merr. - C.

[1]**Plectocarpon lichenum** (Sommerf.) D. Hawksw. Synonym: Lichenomyces lichenum (Sommerf.) R. Sant. - I(w)

Polyblastia gelatinosa (Ach.) Th. Fr.

Polyblastia hyperborea Th. Fr.

Polychidium albociliatum (Desm.) Zahlbr. = Leptochidium albociliatum (Desm.) Choisy

Polychidium dendriscum (Nyl.) Henssen - C.

Polychidium muscicola (Sw.) S. Gray - C, I(w).

Polychidium umhausense (Auersw.) Henssen = Dendriscocaulon umhausense (Auersw.) Degel.

Polysporina simplex (Dav.) Vezda Synonym: Sarcogyne simplex (Dav.) Nyl. - C.

Polysporina urceolata (Anzi) Brodo Synonym: Sarcogyne urceolata Anzi - A.

Porina aenea (Wallr.) Zahlbr. Synonym: P. carpinea (Pers. ex Ach.) Zahlbr. - C.

Porina carpinea (Pers. ex Ach.) Zahlbr. = P. aenea (Wallr.) Zahlbr.

Porina chlorotica (Ach.) Müll. Arg. - C.

- var. persicina (Körber) Zahlbr. = P. linearis (Leighton) Zahlbr.

Porina guentheri (Flotow) Zahlbr. - C.

Porina lectissima (Fr.) Zahlbr. - C.

Porina linearis (Leighton) Zahlbr. Synonym: P. chlorotica var. persicina (Körber) Zahlbr. - C.

Porina plumbaria (Stizenb.) Hasse = Arthopyrenia plumbaria (Stizenb.) R.C. Harris.

Porocyphus kenmorensis (Holl. ex Nyl.) Henssen - C.

Porpidia albocaerulescens (Wulf.) Hertel & Knoph Synonyms: Huilia albocaerulescens (Wulf.) Hertel, Haplocarpon albocaerulescens (Wulf.) Choisy, Lecidea albocaerulescens (Wulf.) Ach. - C.

Porpidia crustulata (Ach.) Hertel & Knoph Synonyms: Huilia crustulata (Ach.) Hertel, Haplocarpon crustulatum (Ach.) Choisy, Lecidea crustulata (Ach.) Spreng. - C.

Porpidia macrocarpa (DC.) Hertel & Schwab Synonyms: Huilia macrocarpa (DC.) Hertel = Haplocarpon macrocarpum (DC.) Choisy, Lecidea macrocarpa (DC.) Steudel - C.

[Porpidia] soredizodes (Lamy) ined. Synonyms: Huilia soredizodes (Lamy) Hertel, Haplocarpon soredizodes (Lamy) V. Wirth, Lecidea soredizodes (Lamy) Sandst., non (Nyl.) Vain. Presumably belongs with Porpidia, but we have not seen type material and cannot make the combination here. (See the comments of Schwab [1986: 430].) - C.

Porpidia tuberculosa (Sm.) Hertel & Knoph Synonyms: Huilia tuberculosa (Sm.) P. James, Lecidea sorediza Nyl., L. tumida Massal. - C.

Protoblastenia cinnabarina (Sommerf.) Räs. = Lecidea cinnabarina Sommerf.

Protoblastenia incrustans (DC.) J. Stein. - C.

Protoblastenia monticola (Ach.) J. Stein. = Clauzadea monticola (Ach. ex Schaerer) Hafellner. & Bellem.

Protoblastenia quernea (Dicks.) Clauz. = Pyrrhospora quernea (Dicks.) Körber

Protoblastenia rupestris (Scop.) J. Stein. - C.

Protoblastenia russula (Ach.) Räs. = Lecidea russula Ach.

Protoblastenia terricola (Anzi) Lynge

Protoparmelia badia (Hoffm.) Hafellner Synonym: Lecanora badia (Hoffm.) Ach. - I(d), A.

Pseudephebe minuscula (Nyl. ex Arn.) Brodo & D. Hawksw. Synonym: Alectoria minuscula (Nyl. ex Arn.) Degel. - A.

Pseudephebe pubescens (L.) Choisy Synonym: Alectoria pubescens (L.) R.H. Howe - I(d), A.

Pseudevernia consocians (Vain.) Hale & Culb. Unreliable report.

Pseudocyphellaria anomala Brodo & Ahti Synonym: P. anomala Merr. ex H. Magn., nom. inval. - C, I(w).

Pseudocyphellaria anomala Merr. ex H. Magn. = P. anomala Brodo & Ahti

Pseudocyphellaria anthraspis (Ach.) H. Magn. - C.

Pseudocyphellaria aurata (Ach.) Vain. - C.

Pseudocyphellaria crocata (L.) Vain. - C.

Pseudocyphellaria mougeotiana (Del.) Vain. - C.

Pseudocyphellaria rainierensis Imsh. - C.

Pseudoparmelia caperata (L.) Hale = Flavoparmelia caperata (L.) Hale.

Psilolechia lucida (Ach.) Choisy Synonym: Lecidea lucida (Ach.) Ach. - I(w).

Psora anthracophila (Nyl.) Arn. = Hypocenomyce anthracophila (Nyl.) P. James & G. Schneider

Psora decipiens (Hedw.) Hoffm. Synonym: Lecidea decipiens (Hedw.) Ach. - I(d), I(w).

Psora demissa (Rutstr.) Hepp = Lecidoma demissum (Rutstr.) G. Schneider &

Hertel

Psora friesii (Ach.) Hellb. = Hypocenomyce friesii (Ach.) P. James & G. Schneider

Psora globifera (Ach.) Massal. Synonym: Lecidea globifera Ach. - I(w)

Psora icterica (Mont.) Müll. Arg. Unreliable report. Synonym: Lecidea icterica (Mont.) Tayl.

Psora lurida (Ach.) DC. = Lecidea lurida (With.) Ach.

Psora luridella (Tuck.) Fink Synonym: Lecidea luridella Tuck. - I(d).

Psora nipponica (Zahlbr.) G. Schneider Synonym: Lecidea novomexicana (B. de Lesd.) W. Weber & R. Anderson, Psora novomexicana B. de Lesd. - C.

Psora novomexicana B. de Lesd. = P. nipponica (Zahlbr.) G. Schneider

Psora rubiformis (Ach.) Hook. Synonym: Lecidea rubiformis (Ach.) Wahlenb. - I(d), I(w).

Psora russellii (Tuck.) A. Schneider Synonym: Lecidea russellii Tuck.

Psora scalaris (Ach.) Hook. = Hypocenomyce scalaris (Ach.) Choisy

Psora scotopholis (Tuck.) Fink = Psorula scotopholis (Tuck.) G. Schneider

Psoroma hypnorum (Vahl) S. Gray - C, I(w), I(d), A.

Psorula rufonigra (Tuck.) G. Schneider Synonym: Lecidea rufonigra (Tuck.) Nyl.

Psorula scotopholis (Tuck.) G. Schneider Synonyms: Lecidea scotopholis (Tuck.) Herre, Psora scotopholis (Tuck.) Fink

Punctelia borreri (Sm.) Krog Unreliable report. Synonym: Parmelia borreri Sm.) Turn.

Punctelia flaventior (Stirton) Krog = Flavopunctelia flaventior (Stirton) Hale

Punctelia rudecta (Ach.) Krog Unreliable report. Synonym: Parmelia rudecta Ach.

Punctelia stictica (Duby) Krog Synonym: Parmelia stictica (Duby) Nyl. - C.

Punctelia subrudecta (Nyl.) Krog Synonym: Parmelia subrudecta Nyl. - C.

Pyrenula nitida (Weig.) Ach. Unreliable report. Records of this species in B.C. are referable to P. occidentalis (R.C. Harris) R.C. Harris

Pyrenula occidentalis (R.C. Harris) R.C. Harris - C.

Pyrrhospora quernea (Dicks.) Körber Synonym: Protoblastenia quernea (Dicks.)

Clauz. - C.

Racodium rupestre Pers. - C, I(w).

Ramalina ceruchis (Ach.) de Not. Unreliable report.

Ramalina dilacerata (Hoffm.) Hoffm. Synonym: Fistulariella dilacerata (Hoffm.) Hale, nom. inval., F. minuscula (Nyl.) Bowler & Rundel, Ramalina minuscula (Nyl.) Nyl. - C, I(w), B.

Ramalina farinacea (L.) Ach. - C, I(w), B.

Ramalina fastigiata (Pers.) Ach. Unreliable report.

Ramalina fraxinea (L.) Ach. Unreliable report.

Ramalina cf. geniculata auct. - C.

Ramalina inflata auct., non (J.D. Hook. & Taylor) J.D. Hook. & Taylor Synonym: Fistulariella inflata auct. (sensu Bowler and Rundel 1977), non (J.D. Hook. & Tayl.) Bowler & Rundel. - C.

Ramalina laevigata Fr. Unreliable report.

Ramalina leptocarpha Tuck. Unreliable report. Synonym: R. menziesii Tuck.

Ramalina menziesii Tayl. Synonym: R. reticulata (Noehd.) Kremp. - C.

Ramalina menziesii Tuck. = R. leptocarpha Tuck.

Ramalina minuscula (Nyl.) Nyl. = R. dilacerata (Hoffm.) Hoffm.

Ramalina obtusata (Arn.) Bitt. - I(w).

Ramalina pollinaria (Westr.) Ach. - C, I(w).

Ramalina reticulata (Noehd.) Kremp. = R. menziesii Tayl.

Ramalina roesleri (Hochst. ex Schaerer) Nyl. Synonym: Fistulariella roesleri (Hochst. ex Schaerer) Bowler & Rundel - C, I(w).

Ramalina sinensis Jatta - B.

Ramalina subleptocarpha Rundel & Bowler - C.

Ramalina thrausta (Ach.) Nyl. - C, I(w).

[1]**Refractohilum peltigerae** (Keissl.) D. Hawksw. - I(w).

Rhizocarpon alpicola (Anzi) Rabenh. - A.

Rhizocarpon badioatrum (Flörke ex Spreng.) Th. Fr.

Rhizocarpon bolanderi (Tuck.) Herre - C.

Rhizocarpon chioneum (Norm.) Th. Fr.

Rhizocarpon cinereonigrum Vain. - C.

Rhizocarpon cinereovirens (Müll. Arg.) Vain. - C.

Rhizocarpon concentricum (Dav.) Beltr. Synonym: R. petraeum auct., non (Wulf.) Massal., R. perlutum (Nyl.) Zahlbr. - C.

Rhizocarpon disporum auct. = R. geminatum Körber

Rhizocarpon disporum (Naeg. ex Hepp) Müll. Arg. Unreliable report.

Rhizocarpon distinctum Th. Fr. - C.

Rhizocarpon geminatum Körber s. str. Synonym: R. disporum auct. - C.

Rhizocarpon geographicum (L.) DC. - W

Rhizocarpon grande (Flörke ex Flotow) Arn. - C.

Rhizocarpon hochstetteri (Körber) Vain. - C.

Rhizocarpon inarense (Vain.) Vain. - A.

Rhizocarpon intermediellum Räs. - C.

Rhizocarpon lavatum (Fr.) Hazsl.

Rhizocarpon lecanorinum And. - A.

Rhizocarpon macrosporum Räs. - A.

Rhizocarpon obscuratum (Ach.) Massal. - C.

Rhizocarpon perlutum (Nyl.) Zahlbr. = R. concentricum (Dav.) Beltr.

Rhizocarpon petraeum auct., non (Wulf.) Massal. = R. concentricum (Dav.) Beltr.

Rhizocarpon riparium Räs. - A.

Rhizocarpon sphaerosporum Räs. - C, A.

Rhizocarpon superficiale (Schaerer) Vain. - A.

Rhizocarpon viridiatrum (Wulf.) Körber - C.

Rhizoplaca chrysoleuca (Sm.) Zopf Synonym: Lecanora chrysoleuca (Sm.) Ach., L. rubina (Vill.) Ach. - I(d).

Rhizoplaca melanophthalma (Ram.) Leuck. & Poelt Synonym: Lecanora melanophthalma (Ram.) Ram. - I(d), A.

Rhizoplaca peltata (Ram.) Leuck. & Poelt Synonym: Lecanora peltata (Ram.) Steudel - I(d).

Rinodina archaea (Ach.) Arn. - C.

Rinodina bolanderi H. Magn. - C.

Rinodina colobina (Ach.) Th. Fr. - C.

Rinodina confragosa (Ach.) Körber - C.

Rinodina conradii Körber - C.

Rinodina excrescens Vain. - C.

Rinodina exigua (Ach.) S. Gray

Rinodina gennarii Bagl. Synonym: R. salina Degel. - C.

Rinodina hallii Tuck. - C.

Rinodina marysvillensis H. Magn. - C.

Rinodina mniaraea (Ach.) Körber - A.

Rinodina nimbosa (Fr.) Th. Fr. = Phaeorrhiza nimbosa (Fr.) Mayrh. & Poelt

Rinodina oreina (Ach.) Massal. = Dimelaena oreina (Ach.) Norm.

Rinodina polyspora Th. Fr. Unreliable report.

Rinodina pyrina (Ach.) Arn.

Rinodina roscida (Sommerf.) Arn. - A.

Rinodina salina Degel. = R. gennarii Bagl.

Rinodina sareptana (Tomin) H. Magn. = Phaeorrhiza sareptana (Tomin) Mayrh. & Poelt

Rinodina septentrionalis Malme

Rinodina turfacea (Wahlenb.) Körber - C.

Saccomorpha icmalea (Ach.) Clauz. & Roux = Placynthiella icmalea (Ach.) Coppins & P. James

Saccomorpha oligotropha (Laundon) Clauz. & Roux = Placynthiella oligotropha (Laundon) Coppins & P. James

Saccomorpha uliginosa (Schrader) Hafellner = Placynthiella uliginosa (Schrader) Coppins & P. James

Sarcogyne clavus (DC.) Kremp. Unreliable report.

Sarcogyne regularis Körber - C.

Sarcogyne simplex (Dav.) Nyl. = Polysporina simplex (Dav.) Vezda

Sarcogyne urceolata Anzi = Polysporina urceolata (Anzi) Brodo

Schadonia alpina Körber Synonyms: Lopadium alpinum (Körber) R. Sant., L. gemellum (Anzi) Stizenb.

Scoliciosporum chlorococcum (Graewe ex Stenham.) Vezda Synonym: Bacidia chlorococca (Graewe ex Stenham.) Lett. - C.

Scoliciosporum umbrinum (Ach.) Arn. Synonym: Bacidia umbrina (Ach.) Bausch - C.

[1]**Scutula stereocaulorum** (Anzi) Körber - I(w).

[1]**Scutula tuberculosa** (Th. Fr.) Rehm - I(w).

Siphula ceratites (Wahlenb.) Ach. - C.

Solenospora hassei (Zahlbr.) Zahlbr. = Lecania hassei (Zahlbr.) Noble

Solorina bispora Nyl. - A.

Solorina crocea (L.) Ach. - I(w), A.

Solorina octospora (Arn.) Arn. - A. The basionym of this species is S. saccata var. octospora Arn. (Lich. Ausfl. in Tirol X; Verh. zool. bot. Gesellsch. Wien 23: 103. 1873.)

Solorina saccata (L.) Ach. - I(w), A.

Solorina spongiosa (Ach.) Anzi - A.

Sphaerophorus fragilis (L.) Pers. - A.

Sphaerophorus globosus (Hudson) Vain. var. **globosus** - A.

- var. **gracilis** (Müll. Arg.) Zahlbr. Synonym: S. tuckermanii Räs. - C, I(w). The status of this taxon is uncertain.

Sphaerophorus melanocarpus (Sw.) DC. - C.

Sphaerophorus tuckermanii Räs. = S. globosus (Hudson) Vain. var. gracilis (Müll. Arg.) Zahlbr. - Type: Hazelton (H).

Spilonema revertens Nyl. - C, I(w).

Sporastatia testudinea (Ach.) Ma sal. - A.

Squamarina cartilaginea (With.) P. James Synonym: S. crassa (Hudson) Poelt - I(d).

Squamarina crassa (Hudson) Poelt = S. cartilaginea (With.) P. James

Staurothele ambrosiana (Massal.) Zsch.

Staurothele clopima sensu Th. Fr. non (Wahlneb.) Th. Fr. - I(d)

Staurothele clopima (Wahlenb.) Th. Fr. = S. fuscocuprea (Nyl.) Zsch.

Staurothele fissa (Tayl.) Zw. Synonym: S. hazslinszkyi (Körber) Blomb. & Forss. - C.

Staurothele fuscocuprea (Nyl.) Zsch. Synonyms: S. perradiata Lynge, S. clopima (Wahlenb.) Th. Fr. - I(d).

Staurothele hazslinszkyi (Körber) Blomb. & Forss. = S. fissa (Tayl.) Zw.

Staurothele perradiata Lynge = S. fuscocuprea (Nyl.) Zsch.

Staurothele rupifraga (Massal.) Arn. - C.

Steinia geophana (Nyl.) B. Stein Synonym: Lecidea geophana Nyl.

Stenocybe byssacea (Fr.) Körber = S. pullatula (Ach. ex. Sommerf.) B. Stein

[2]**Stenocybe major** Nyl. ex Körber - C.

[2]**Stenocybe pullatula** (Ach.) B. Stein Synonym: S. byssacea (Fr.) Körber

Stereocaulon albicans Th. Fr. = Leprocaulon albicans (Th. Fr.) Nyl. ex Hue

Stereocaulon alpinum Laurer ex Funck - I(w), A.

Stereocaulon botryosum Ach. - A.

Stereocaulon condensatum Hoffm. Unreliable report.

Stereocaulon coniophyllum Lamb - A.

Stereocaulon dactylophyllum Flörke

Stereocaulon evolutoides (H. Magn.) Frey = S. saxatile H. Magn.

Stereocaulon glareosum (Sav.) H. Magn.

Stereocaulon grande (H. Magn.) H. Magn. - I(w).

Stereocaulon intermedium (Sav.) H. Magn.

Stereocaulon microscopicum (Vill.) Frey = Leprocaulon microscopicum (Vill.) Gams ex D. Hawksw.

Stereocaulon myriocarpum Th. Fr. - C.

Stereocaulon paschale (L.) Hoffm. - I(w), B, A.

Stereocaulon rivulorum H. Magn. - A.

Stereocaulon sasakii Zahlbr. var. **simplex** (Riddle) Lamb - C.

var. **tomentosoides** Lamb - C, I(w).

Stereocaulon saxatile H. Magn. Synonym: S. evolutoides (H. Magn.) Frey

Stereocaulon spathuliferum Vain.

Stereocaulon sterile (Sav.) Lamb ex Krog

Stereocaulon subalbicans Lamb = Leprocaulon subalbicans (Lamb) Lamb & Ward

Stereocaulon subcoralloides (Nyl.) Nyl.

Stereocaulon tomentosum Fr. - I(w).

Stereocaulon vesuvianum Pers. var. denudatum (Flörke) Lamb ex Poelt = S. vesuvianum Pers. var. nodulosum (Wallr.) Lamb

Stereocaulon vesuvianum Pers. var. **nodulosum** (Wallr.) Lamb Synonym: S. vesuvianum Pers. var. denudatum (Flörke) Lamb ex Poelt - C, I(w).

Sticta fuliginosa (Hoffm.) Ach. - C, I(w).

Sticta limbata (Sm.) Ach. - C.

Sticta weigelii (Isert ex Ach.) Vain. - C.

Strangospora moriformis (Ach.) B. Stein Synonym: Biatorella moriformis (Ach.) Th. Fr. - C.

Strigula stigmatella (Ach.) R.C. Harris Synonym: Arthopyrenia faginea (Schaerer) Swinscow - C.

Tephromela atra (Hudson) Hafellner. Synonym: Lecanora atra (Hudson) Ach. - C.

Thamnolia subuliformis (Ehrh.) Culb. = T. vermicularis (Sw.) Ach. ex Schaerer var. subuliformis (Ehrh.) Schaerer

Thamnolia vermicularis (Sw.) Ach. ex Schaerer var. **subuliformis** (Ehrh.) Schaerer Synonym: T. subuliformis (Ehrh.) Culb. - A.

- var. **vermicularis** - A.

Thelidium decipiens (Nyl.) Kremp. - C.

Thelidium incavatum Nyl. ex Mudd - C.

Thelocarpon epibolum Nyl. var. **epithallinum** (Leighton ex Nyl.) G. Salisb. - I(w).

Thelomma mammosum (Hepp) Massal. Synonym: Cypheliopsis bolanderi (Tuck.) Vain. - C.

Thelomma occidentale (Herre) Tibell Synonym: Cyphelium occidentale Herre - C.

Thelotrema lepadinum (Ach.) Ach. - C.

Thermutis velutina (Ach.) Flotow - I(d).

Tholurna dissimilis (Norm.) Norm. - (C), A.

Thrombium epigaeum (Pers.) Wallr.

Thyrea nigritella Lett. - I(d).

Toninia caeruleonigricans (Lightf.) Th. Fr. - C. I(w), I(d).

Toninia candida (Weber) Th. Fr. Unreliable report.

Toninia kolax Poelt

Toninia lobulata (Sommerf.) Lynge - A.

Toninia ruginosa (Tuck.) Herre - C.

Toninia squalida (Schleich. ex Ach.) Massal. Unreliable report.

Trapelia coarctata (Sm.) Choisy Synonym: Lecidea coarctata (Sm.) Nyl. - C.

Trapelia involuta (Tayl.) Hertel Synonym: T. ornata (Sommerf.) Hertel - C.

Trapeliopsis flexuosa (Fr.) Coppins & P. James Synonym: Lecidea aeruginosa

Borr. - I(w).

Trapeliopsis granulosa (Hoffm.) Lumbsch Synonym: Lecidea granulosa (Hoffm.) Ach. - W.

Trapeliopsis pseudogranulosa Coppins & P. James - Type: Macmillan Provincial Park, Vancouver Island (BM, CANL, H, UBC). - C.

Trapeliopsis wallrothii (Flörke ex Spreng.) Hertel & G. Schneider Synonym: Lecidea wallrothii Flörke ex Spreng. - C.

Tremolecia atrata (Ach.) Hertel Synonym: Lecidea dicksonii auct. - A.

Tremolecia jurana (Schaerer) Hertel = Farnoldia jurana (Schaerer) Hertel

Tuckermannopsis ciliaris (Ach.) Gyeln. = Cetraria ciliaris Ach. var. ciliaris

Tuckermannopsis halei (Culb. & C. Culb.) M.J. Lai = Cetraria ciliaris Ach. var. halei (Culb. & C. Culb.) Ahti

Tuckermannopsis orbata (Nyl.) M.J. Lai = Cetraria orbata (Nyl.) Fink

Turgidosculum complicatulum (Nyl.) J. Kohlm. & E. Kohlm. = Kohlmeyera complicatula (Nyl.) Schatz

Tylothallia biformigera (Leighton) P. James & Kilias Synonym: Catillaria biformigera - C.

Umbilicaria angulata Tuck. - C, I(w), A.

Umbilicaria arctica (Ach.) Nyl. - A.

Umbilicaria cylindrica (L.) Del. ex Duby - A.

Umbilicaria decussata (Vill.) Zahlbr. Synonym: Omphalodiscus decussatus (Vill.) Schol. - A.

Umbilicaria deusta (L.) Baumg. - W.

Umbilicaria havaasii Llano - A.

Umbilicaria hirsuta (Sw. ex Westr.) Hoffm. Unreliable report.

Umbililaria hyperborea (Ach.) Hoffm. var. **hyperborea** - I(w), B.

- var. **radicicula** (Zetterst.) Hasselr. - I(w).

Umbilicaria krascheninnikovii (Sav.) Schol. - A. The report of O. krascheninnikovii var. darrowii (Frey) Llano in Otto and Ahti (1967) is based on an erroneous citation.

Umbilicaria lambii Imsh. - Type: Mt. Assiniboine Provincial Park, Sunburst Lake (CANL). - A.

Umbilicaria lyngei Schol. - A.

Umbilicaria mammulata (Ach.) Tuck. Unreliable report.

Umbilicaria muehlenbergii (Ach.) Tuck. Synonym: Actinogyra muehlenbergii (Ach.) Schol. - B.

Umbilicaria nylanderiana (Zahlbr.) H. Magn.

Umbilicaria papulosa (Ach.) Nyl. = Lasallia papulosa (Ach.) Llano

Umbilicaria pensylvanica Hoffm. = Lasallia pensylvanica (Hoffm.) Llano

Umbilicaria phaea Tuck. - C, I(w).

Umbilicaria polyphylla (L.) Baumg. - W.

Umbilicaria polyrrhiza (L.) Fr. Synonym: Actinogyra polyrrhiza (L.) Schol. - C.

Umbilicaria proboscidea (L.) Schrader - A.

Umbilicaria rigida (Du Rietz) Frey Synonym: Agyrophora rigida (Du Rietz) Llano

Umbilicaria torrefacta (Lightf.) Schrader - C, I(w),, I(d), A.

Umbilicaria vellea (L.) Ach. - I(d), I(w), A.

Umbilicaria virginis Schaerer Synonym: Omphalodiscus virginis (Schaerer) Schol. - A.

Usnea alpina Mot.

Usnea articulata (L.) Hoffm. Unreliable report.

Usnea betulina Mot. = U. glabrescens (Nyl. ex Vain.) Vain.

Usnea cf. catenulata Mot. - I(w).

Usnea caucasica Vain. = U. filipendula Stirton.

Usnea cavernosa Tuck. - B.

Usnea ceratina Ach.

Usnea comosa auct., non (Ach.) Vain. = U. subfloridana Stirton.

Usnea compacta (Räs.) Mot. = U. glabrescens (Nyl. ex Vain.) Vain.

Usnea cornuta Körber = U. inflata Del.

Usnea dasypoga auct., non (Ach.) Shirl. = U. filipendula Stirton.

Usnea filipendula Stirton. Synonym: U. caucasica Vain., U. dasypoga auct., non (Ach.) Shirl., U. subscabrata (Vain.) Mot. - I(w), C.

Usnea florida (L.) Weber ex Wigg. - C.

Usnea fragilescens Hav. ex Lynge Synonym: U. mollis Stirton., nom. illeg.

- C.

Usnea fulvoreagens (Räs.) Räs. Synonym: U. sorediifera sensu Mot., non (Arn.) Lynge - C, I(w). Santesson (1984) places this as a synonym of U. lapponica.

Usnea glabrata (Ach.) Vain. - C, I(w).

Usnea glabrescens (Nyl. ex Vain.) Vain. Synonym: U. betulina Mot., U. compacta (Räs.) Mot. - C.

Usnea cf. graciosa Mot. - I(w).

Usnea hesperina Mot. sensu Dey (1978)

Usnea hirta (L.) Weber ex Wigg. - I(w), B.

Usnea inflata Del. Synonyms: U. cornuta Körber, U. intexta Stirton., U. subpectinata Stirton. - C.

Usnea intexta Stirton. = U. inflata Del.

Usnea kujalae Räs. - Type: Hazelton (H). - I(w).

Usnea lapponica Vain. - I(w).

Usnea longissima Ach. var. **corticata** R.H. Howe

- var. **longissima** - C.

Usnea merrillii Mot. - C.

Usnea mollis Stirton, nom. illegit. = U. fragilescens Hav. ex Lynge

Usnea occidentalis Mot. - C.

Usnea prostrata Vain. ex Räs.

Usnea rugulosa Vain. = U. scabrata Nyl.

Usnea scabiosa Mot. - C, I(w).

Usnea scabrata Nyl. Synonym: U. rugulosa Vain.

- subsp. **nylanderiana** Mot.

Usnea similis Mot. ex Räs. = U. subfloridana Stirton.

Usnea sorediifera sensu Mot. non (Arn.) Lynge = U. fulvoreagens (Räs.) Räs.

Usnea stuppea (Räs.) Mot. - Type: Hazelton (H). - I(w).

Usnea subfloridana Stirton. Synonym: U. comosa auct., non (Ach.) Vain., U. similis Mot. ex Räs. - C, I(w).

Usnea subpectinata Stirton. = U. inflata Del.

Usnea subscabrata (Vain.) Mot. = U. filipendula Stirton.

Usnea substerilis Mot. - I(w).

Usnea sylvatica Mot. - C.

Usnea trichodea Ach. - I(w), B.

Varicellaria kemensis Räs. = V. rhodocarpa (Körber) Th. Fr.

Varicellaria rhodocarpa (Körber) Th. Fr. Synonym: V. kemensis Räs.

Verrucaria aethiobola Wahlenb. - C.

Verrucaria elaeomelaena auct., non (Massal.) Arn. = V. funckii (Spreng.) Zahlbr.

Verrucaria erichsenii Zschacke - C.

Verrucaria funckii (Spreng.) Zahlbr. Synonym: V. elaeomelaena auct., non (Massal.) Arn. - C.

Verrucaria fusconigrescens Nyl. - C.

Verrucaria macrostoma Duf. ex DC. - C.

Verrucaria margacea (Wahlenb.) Wahlenb. - C.

Verrucaria maura Wahlenb. - C.

Verrucaria mucosa Wahlenb. - C.

Verrucaria muralis Ach. - C.

Verrucaria nigrescens Pers. - C.

Verrucaria plumbaria Stizenb. = Arthopyrenia plumbaria (Stizenb.) R.C. Harris

Verrucaria prominula Nyl. - C.

Verrucaria tectorum (Massal.) Körber - C.

Verrucaria viridula (Schrader) Ach. - C.

Vestergrenopsis isidiata (Degel.) Dahl - I(w), A.

Xanthoparmelia centrifuga (L.) Hale = Arctoparmelia centrifuga (L.) Hale

Xanthoparmelia chlorochroa (Tuck.) Hale Unreliable report. Synonym: Parmelia chlorochroa Tuck.

Xanthoparmelia conspersa (Ehrh. ex Ach.) Hale Unreliable report. Synonym: Parmelia conspersa (Ehrh. ex Ach.) Ach.

Xanthoparmelia cumberlandia (Gyeln.) Hale Synonym: Parmelia cumberlandia (Gyeln.) Hale - C, I(w), I(d).

Xanthoparmelia hypopsila (Müll. Arg.) Hale Synonym: Parmelia hypopsila Müll. Arg. - I(d).

Xanthoparmelia incurva (Pers.) Hale = Arctoparmelia incurva (Pers.) Hale.

Xanthoparmelia lineola (Berry) Hale Synonym: Parmelia lineola Berry - I(w).

Xanthoparmelia mexicana (Gyeln.) Hale Synonym: Parmelia mexicana Gyeln. - C, I(d).

Xanthoparmelia mougeotii (Schaerer) Hale Synonym: Parmelia mougeotii Schaerer - C.

Xanthoparmelia plittii (Gyeln. ex Dietr.) Hale Synonym: Parmelia plittii (Gyeln.) Hale - I(d), I(w).

Xanthoparmelia separata (Th. Fr.) Hale = Arctoparmelia separata (Th. Fr.) Hale

Xanthoparmelia somloënsis (Gyeln.) Hale Synonym: Parmelia somloënsis Gyeln., Parmelia stenophylla (Ach.) Du Rietz

Xanthoparmelia subcentrifuga (Oxner) Hale = Arctoparmelia subcentrifuga (Oxner) Hale

Xanthoparmelia taractica (Kremp.) Hale. Synonym: Parmelia taractica Kremp. - I(d), I(w). The status of many records is uncertain because the eastern N. American records are now referred to X. somloënsis (Gyeln.) Hale (Hale, pers. comm.).

Xanthoparmelia tasmanica (Hook. & Tayl.) Hale Synonym: Parmelia tasmanica Hook. & Tayl.

Xanthoparmelia wyomingica (Gyeln.) Hale Synonym: Parmelia wyomingica Gyeln. - I(d), B, A.

Xanthoria candelaria (L.) Th. Fr., s. lat. - C, I(d), I(w). Most of the B.C. material does not seem to represent X. candelaria s. str., but the taxonomy of this species needs further study.

Xanthoria elegans (Link) Th. Fr. - W.

Xanthoria fallax (Hepp) Arn. - C, I(w).

Xanthoria hasseana Räs. See X. polycarpa (Ehrh.) Rieber, s. lat.

Xanthoria parietina (L.) Th. Fr. Unreliable report.

Xanthoria polycarpa (Hoffm.) Rieber, s. lat. The North American material of this species, including X. hasseana Räs. and X. ramulosa (Tuck.) Herre, needs taxonomic revision. It is uncertain whether X. polycarpa s. str. occurs in B.C.

Xanthoria ramulosa (Tuck.) Herre See X. polycarpa (Ehrh.) Rieber, s. lat.

Xanthoria sorediata (Vain.) Poelt - I(d), I(w), A.

Xylographa abietina (Pers.) Zahlbr. - W.

Xylographa hians Tuck. - C.

Xylographa micrographa Merr. = Xylographa hians Tuck. (Brodo 1984a) - Type: Sidney, Vancouver I. (FH).

Xylographa opegraphella Willey - C.

Xylographa spilomatica (Anzi) Th. Fr. = X. vitiligo (Ach.) Laundon

Xylographa vitiligo (Ach.) Laundon Synonym: X. spilomatica (Anzi) Th. Fr. - C, I(w).

Zahlbrucknerella calcarea (Herre) Herre

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